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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	04/26/2011	7933632	MSFT-6512/315063.01	8082

41505 7590 04/06/2011
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 936 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

David Wayne Flynt, Lake Forest Park, WA;
Bryan T. Agnetta, Seattle, WA;
Sally Louise Barton, Seattle, WA;
Eduardo Escardo-Raffo, Seattle, WA;
Tirthankar Sengupta, Sammamish, WA;
Peter G. Chin, Seattle, WA;
Hok-Sum Horace Luke, Mercer Island, WA;

Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/424,733
				Filing Date	06-16-2006
				First Named Inventor	Flynt, David Wayne
				Art Unit	2617
Examiner Name	Cumming, William D.				
Attorney Docket Number	MSFT-6512/315063.01				
Sheet	1	of	1		

U. S. PUBLICATION AND PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication or Grant Date	Name of Patentee or Applicant of Cited Document
		Number - Kind Code (if known)	MM-DD-YYYY	
Change(s) applied to document.	66	2003/0208456 A1	11-06-2003	Greenstein
	67	2006/0168539 A1	07-27-200 6 6	Hawkins et al.
J.F./	68	7,424,541 B2	09-09-2008	Bourne, Julian J.

3/29/2011

Examiner Signature	/William Cumming/	Date Considered	12/16/2010
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /W.C./

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

41505 7590 12/22/2010

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
 CIRA CENTRE, 12TH FLOOR
 2929 ARCH STREET
 PHILADELPHIA, PA 19104-2891

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
** Submitted Electronically **
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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11/424,733 06/16/2006 David Wayne Flynt MSFT-6512/315063.01 8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 03/22/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
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CUMMING, WILLIAM D 2617 455-569100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 Woodcock Washburn LLP
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Microsoft Corporation (B) RESIDENCE: (CITY and STATE OR COUNTRY) Redmond, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

- Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 23-3050 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Craig L. Cupid/ Date 03/21/2011
 Typed or printed name Craig L. Cupid Registration No. 61,308

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11424733
Filing Date:	16-Jun-2006
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Filer:	Craig L. Cupid/Masako Calico
Attorney Docket Number:	MSFT-6512/315063.01

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	1501	1	1510	1510
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1810

Electronic Acknowledgement Receipt

EFS ID:	9701792
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Craig L. Cupid/Masako Calico
Filer Authorized By:	Craig L. Cupid
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	21-MAR-2011
Filing Date:	16-JUN-2006
Time Stamp:	16:15:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1810
RAM confirmation Number	3093
Deposit Account	233050
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	1830371_1.PDF	154654 4ca872210bc3aada471d3bed136a5fd52bae51f8	no	1
Warnings:					
Information:					
2	Change of Address	1839634_1.PDF	359005 608f129b1b8b747bf86820f29574bcf109e2c642	no	2
Warnings:					
Information:					
3	Fee Worksheet (PTO-875)	fee-info.pdf	31861 a309dbdde41e9c24cda11735bb333e09a5d7d10b	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			545520		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



NOTICE OF ALLOWANCE AND FEE(S) DUE

41505 7590 12/22/2010

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

EXAMINER: CUMMING, WILLIAM D
ART UNIT: 2617 PAPER NUMBER:
DATE MAILED: 12/22/2010

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

11/424,733 06/16/2006 David Wayne Flynt MSFT-6512/315063.01 8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional NO \$1510 \$300 \$0 \$1810 03/22/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 11/424,733, 06/16/2006, David Wayne Flynt, MSFT-6512/315063.01, 8082
Row 2: 41505, 7590, 12/22/2010
Text: WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION), CIRA CENTRE, 12TH FLOOR, 2929 ARCH STREET, PHILADELPHIA, PA 19104-2891
Text: EXAMINER CUMMING, WILLIAM D
Text: ART UNIT 2617, PAPER NUMBER
Text: DATE MAILED: 12/22/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 609 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 609 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

11/424,733

Examiner

WILLIAM D. CUMMING

Applicant(s)

FLYNT ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to the request for Continued Examination filed December 9, 2010.
- 2. The allowed claim(s) is/are 1-20.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____.
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit: 2617

Issue Classification *11424733*	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

ORIGINAL				INTERNATIONAL CLASSIFICATION													
CLASS		SUBCLASS		CLAIMED						NON-CLAIMED							
455		569.1		H	O	4	M	1 / 00 (2006.0)									
CROSS REFERENCE(S)																	
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																
379	93.17	433.01															
340	995.1																

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
2	2	18	18												
3	3	19	19												
4	4	20	20												
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13	13														
14	14														
15	15														
16	16														

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/WILLIAM D CUMMING/ Primary Examiner. Art Unit 2617	12/16/2010	1	3
(Primary Examiner)	(Date)		

Index of Claims *1142473 3*	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47			
CLAIM		DATE							
Final	Original	04/15/2009	09/21/2009	02/07/2010	09/29/2010	12/16/2010			
1	1	÷	=	=	=	=			
2	2	÷	=	=	=	=			
3	3	÷	=	=	=	=			
4	4	÷	=	=	=	=			
5	5	÷	=	=	=	=			
6	6	÷	=	=	=	=			
7	7	O	=	=	=	=			
8	8	✓	=	=	=	=			
9	9	✓	=	=	=	=			
10	10	✓	=	=	=	=			
11	11	✓	=	=	=	=			
12	12	✓	=	=	=	=			
13	13	✓	=	=	=	=			
14	14	✓	=	=	=	=			
15	15	✓	=	=	=	=			
16	16	✓	=	=	=	=			
17	17	✓	✓	=	=	=			
18	18	✓	✓	=	=	=			
19	19	✓	✓	=	=	=			
20	20	✓	✓	=	=	=			

Search Notes *1142473 3*	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	564, 569.1	4/15/09	
345	156, 173, 358, 428	4/15/09	wdc
379	93.17	4/15/09	wdc
273	292	4/15/09	wdc
update		9/21/09	wdc
update		2/7/10	wdc
update		9/29/10	wdc
update		12/16/10	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
455	569.1	2/7/10	wdc
update		9/29/10	wdc
update		12/16/10	wdc

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/424,733
				Filing Date	06-16-2006
				First Named Inventor	Flynt, David Wayne
				Art Unit	2617
Examiner Name	Cumming, William D.				
Attorney Docket Number	MSFT-6512/315063.01				
Sheet	1	of	1		

U. S. PUBLICATION AND PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number	Publication or Grant Date	Name of Patentee or Applicant of Cited Document
		Number – Kind Code (if known)	MM-DD-YYYY	
	66	2003/0208456 A1	11-06-2003	Greenstein
	67	2006/0168539 A1	07-27-2009	Hawkins et al.
	68	7,424,541 B2	09-09-2008	Bourne, Julian J.

Examiner Signature	/William Cumming/	Date Considered	12/16/2010
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /W.C./

**REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)**

Application Number	11424733	Filing Date	2006-06-16	Docket Number (if applicable)	MSFT-6512/315063.01	Art Unit	2617
First Named Inventor	Flynt, David Wayne			Examiner Name	Cumming, W. D.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 233050

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Patent Practitioner Signature

Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	/Craig L. Cupid/	Date (YYYY-MM-DD)	2010-12-08
Name	Craig L. Cupid	Registration Number	61308

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11424733			
Filing Date:	16-Jun-2006			
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES			
First Named Inventor/Applicant Name:	David Wayne Flynt			
Filer:	Craig L. Cupid/Summer Uchin			
Attorney Docket Number:	MSFT-6512/315063.01			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for continued examination	1801	1	810	810
Total in USD (\$)				810

Electronic Acknowledgement Receipt

EFS ID:	8994592
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Craig L. Cupid/Summer Uchin
Filer Authorized By:	Craig L. Cupid
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	09-DEC-2010
Filing Date:	16-JUN-2006
Time Stamp:	09:26:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$810
RAM confirmation Number	9086
Deposit Account	233050
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Transmittal Letter	MSFT-6512_SIDS_Trans_12-8-2010.PDF	14627 731dac725894f168cf574c36725c707e503b1604	no	3
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	MSFT-6512_SIDS_1449_12-8-2010.PDF	9190 23e999940a3621c80bb7ebdccc91b455f0bd0e3e	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Request for Continued Examination (RCE)	MSFT-6512_RCE.PDF	1133463 99b3fde0363dc4bec85b6ad85e79b62a6c066a01	no	3
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	30577 535d6d5f4e35e6de197208d4b530e06ad8248103	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1187857		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Flynt, David Wayne

Confirmation No.: 8082

Application No.: 11/424,733

Group Art Unit: 2617

Filing Date: 06-16-2006

Examiner: Cumming, William D.

For: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Filed Via EFS

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

IDS Filed Under 37 CFR 1.97(b)

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

IDS filed Under 37 CFR 1.97(c)

In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

- Certification in Accordance with § 1.97(e) is attached; or
- The fee of **\$180.00** as set forth in § 1.17(p) is attached.

IDS filed Under 37 CFR 1.97(d)

In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

CONTENT OF IDS PURSUANT TO 37 CFR 1.98

Copies of reference numbers 66-68 listed on the attached Form PTO-1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(iii).

Copies of reference numbers listed on the attached Form PTO-1449 are enclosed herewith.

Copies of reference numbers are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

The month of publication for reference numbers is not available. However, the year of publication for these references is sufficiently earlier than the effective US filing date and any foreign priority date so that the particular month of publication is not in issue pursuant to 37 CFR § 1.98(b).

REFERENCES IN A LANGUAGE OTHER THAN ENGLISH

The following documents are not in the English language. Accordingly, a concise explanation of the relevance of the document was incorporated in the specification passages identified below, the document was identified in a foreign communication as identified below or an English language counterpart application has been provided as indicated below.

Foreign Language Document	Cite No.	Pages of Reference in Specification or Relevance of Document

Foreign Language Document	Cite No.	English Language Counterpart	Cite No.

CERTIFICATION IN ACCORDANCE WITH § 1.97(e)

I hereby certify that:

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this information disclosure statement.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

Date: 12/08/2010

/Craig L. Cupid/
 Craig L. Cupid
 Registration No. 61,308

WOODCOCK WASHBURN LLP
 Cira Centre
 2929 Arch Street, 12th Floor
 Philadelphia, PA 19104-2891
 Telephone: (215) 568-3100
 Facsimile: (215) 568-3439

Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/424,733
				Filing Date	06-16-2006
				First Named Inventor	Flynt, David Wayne
				Art Unit	2617
Examiner Name	Cumming, William D.				
Attorney Docket Number	MSFT-6512/315063.01				
Sheet	1	of	1		

U. S. PUBLICATION AND PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number	Publication or Grant Date	Name of Patentee or Applicant of Cited Document
		Number – Kind Code (if known)	MM-DD-YYYY	
	66	2003/0208456 A1	11-06-2003	Greenstein
	67	2006/0168539 A1	07-27-2009	Hawkins et al.
	68	7,424,541 B2	09-09-2008	Bourne, Julian J.

Examiner Signature		Date Considered	
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OK TO ENTER: /W.C./

OK TO ENTER: /W.C./

OK TO ENTER: /W.C./

DOCKET NO.: MSFT-6512/315063.01

PATENT

Application No.: 11/424,733

Notice of Allowance Dated: October 7, 2010

OK TO ENTER: /W.C./

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and the plurality of tiles positioned within a tile space, wherein the tile space component includes a profile component that manages at least one user profile and the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile; and
 - a display component that displays a view of the tile space.
2. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an application tile that provides a link to a software application.
3. (Previously Presented) The user interface of claim 1, wherein the content is local to the mobile device.
4. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.
5. (Previously Presented) The user interface of claim 1, wherein the tile space is divided into a plurality of visually distinct zones.
6. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises an available tile component that manages a set of available tiles and a display tile component that manages the plurality of tiles selected from the set of available tiles.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: October 7, 2010

PATENT

7. (Previously Presented) The user interface of claim 6, wherein the at least one user profile is based upon one or more of a geographic location, time, and date.

8. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises a tile position component that manages the position of each of the plurality of tiles within the tile space.

9. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.

10. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on user input.

11. (Previously Presented) A processor-implemented method, comprising:
 - a processor generating a customizable display space capable of managing a plurality of dynamically updating tiles;
 - the processor populating the customizable display space with the plurality of tiles, wherein the plurality of tiles are selected from a set of available tiles based at least in part on at least one user profile; and
 - displaying a view of the display space on a display screen of a mobile device.

12. (Previously Presented) The method of claim 11, further comprising receiving user input and the processor navigating through the display space based at least in part on the user input.

13. (Previously Presented) The method of claim 12, wherein navigating through the display space comprises panning through the display space and selecting an active tile for display in a summary view.

DOCKET NO.: MSFT-6512/315063.01

PATENT

Application No.: 11/424,733

Notice of Allowance Dated: October 7, 2010

14. (Previously Presented) The method of claim 13, wherein panning through the display space comprises wrapping from one edge of the display space to an opposite edge of the display space such that the display space forms a continuous loop.

15. (Previously Presented) The method of claim 12, wherein navigating through the display space further comprises zooming between different zoom depths within the display space.

16. (Previously Presented) The method of claim 11, wherein displaying a view of the display space further comprises selecting an active tile from the plurality of tiles and displaying an enlarged, summary view of the active tile.

17. (Previously presented) A system comprising a processor and a computer-readable storage device, the device storing executable instructions that when processed by said processor cause said processor to implement the steps comprising:

generating a customizable tile space capable of managing a plurality of tiles;

populating the customizable tile space with the plurality of tiles;

selecting one or more tiles from a set of available tiles based at least in part on a user profile;

dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and

displaying a view of the tile space.

18. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising receiving user input navigating through the tile space based at least in part on the user input.

19. (Previously Presented) The system of claim 17, wherein the user profile is based upon one or more of a geographic location, time, and date.

DOCKET NO.: MSFT-6512/315063.01

PATENT

Application No.: 11/424,733

Notice of Allowance Dated: October 7, 2010

20. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising panning through the tile space and selecting a tile from the plurality of tiles for an enlarged view.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes application details for David Wayne Flynt and examiner information for William D. Cumming.

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

eofficemonitor@woodcock.com

Response to Rule 312 Communication	Application No.	Applicant(s)
	11/424,733	FLYNT ET AL.
	Examiner	Art Unit
	WILLIAM D. CUMMING	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. The amendment filed on 08 November 2010 under 37 CFR 1.312 has been considered, and has been:

- a) entered.
- b) entered as directed to matters of form not affecting the scope of the invention.
- c) disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d) disapproved. See explanation below.
- e) entered in part. See explanation below.

Because Applicants received a Notice of Allowance on October 7, 2010 it is implicit that there are no objections to any drawings by the Examiner.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit: 2617

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: October 7, 2010

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt, et al.

Confirmation No.: **8082**

Application No.: **11/424,733**

Group Art Unit: **2617**

Filing Date: **June 16, 2006**

Examiner: **Cumming, William D.**

For: **TILE SPACE USER INTERFACE FOR MOBILE DEVICES**

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT AFTER ALLOWANCE PURSUANT TO 37 CFR § 1.312

In response to the Notice of Allowance dated **October 7, 2010**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- Amendments to the Specification** begin on page _____ of this paper.
- Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.
- Amendments to the Drawings** begin on page _____ of this paper and include an attached replacement sheet.
- Remarks** begin on page 6 of this paper.
- The Commissioner is hereby authorized to charge any fee deficiency, charge any additional fees, or credit any overpayment of fees, associated with this application in connection with this filing, or any future filing, submitted to the U.S. Patent and Trademark Office during the pendency of this application, to Deposit Account No. 23-3050.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and the plurality of tiles positioned within a tile space, wherein the tile space component includes a profile component that manages at least one user profile and the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile; and
 - a display component that displays a view of the tile space.
2. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an application tile that provides a link to a software application.
3. (Previously Presented) The user interface of claim 1, wherein the content is local to the mobile device.
4. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.
5. (Previously Presented) The user interface of claim 1, wherein the tile space is divided into a plurality of visually distinct zones.
6. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises an available tile component that manages a set of available tiles and a display tile component that manages the plurality of tiles selected from the set of available tiles.

7. (Previously Presented) The user interface of claim 6, wherein the at least one user profile is based upon one or more of a geographic location, time, and date.

8. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises a tile position component that manages the position of each of the plurality of tiles within the tile space.

9. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.

10. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on user input.

11. (Previously Presented) A processor-implemented method, comprising:
 - a processor generating a customizable display space capable of managing a plurality of dynamically updating tiles;
 - the processor populating the customizable display space with the plurality of tiles, wherein the plurality of tiles are selected from a set of available tiles based at least in part on at least one user profile; and
 - displaying a view of the display space on a display screen of a mobile device.

12. (Previously Presented) The method of claim 11, further comprising receiving user input and the processor navigating through the display space based at least in part on the user input.

13. (Previously Presented) The method of claim 12, wherein navigating through the display space comprises panning through the display space and selecting an active tile for display in a summary view.

14. (Previously Presented) The method of claim 13, wherein panning through the display space comprises wrapping from one edge of the display space to an opposite edge of the display space such that the display space forms a continuous loop.

15. (Previously Presented) The method of claim 12, wherein navigating through the display space further comprises zooming between different zoom depths within the display space.

16. (Previously Presented) The method of claim 11, wherein displaying a view of the display space further comprises selecting an active tile from the plurality of tiles and displaying an enlarged, summary view of the active tile.

17. (Previously presented) A system comprising a processor and a computer-readable storage device, the device storing executable instructions that when processed by said processor cause said processor to implement the steps comprising:

generating a customizable tile space capable of managing a plurality of tiles;

populating the customizable tile space with the plurality of tiles;

selecting one or more tiles from a set of available tiles based at least in part on a user profile;

dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and

displaying a view of the tile space.

18. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising receiving user input navigating through the tile space based at least in part on the user input.

19. (Previously Presented) The system of claim 17, wherein the user profile is based upon one or more of a geographic location, time, and date.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: October 7, 2010

PATENT

20. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising panning through the tile space and selecting a tile from the plurality of tiles for an enlarged view.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: October 7, 2010

PATENT

REMARKS

Claims 1 - 20 are pending and have been allowed. Applicants submit the foregoing amendments to clarify independent claim 1. No new matter has been added.

Applicants respectfully request Examiner please also affirmatively accept the drawings within this application, because it was not done so during prosecution.

Applicants respectfully request that the proposed amendments be entered as they do not amount to significant additional work on the part of the U.S. Patent and Trademark Office.

Date: November 8, 2010

/Craig L. Cupid/

Craig L. Cupid

Registration No. 61,308

Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

Electronic Acknowledgement Receipt

EFS ID:	8787114
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Craig L. Cupid/Ricki Moss
Filer Authorized By:	Craig L. Cupid
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	08-NOV-2010
Filing Date:	16-JUN-2006
Time Stamp:	11:58:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	31606301_MSFT6512_TRANS_11_08_2010.PDF	290491 <small>c76d993711d66d7610f4454112ec85411cc4080f</small>	no	2

Warnings:

Information:

2		31506301_MSFT6512_AMENDMENT_AFTER_ALLOWANCE_11_08_2010.PDF	74254 <small>1047ee73118b914f567f79ec286866b3162266c4</small>	yes	6
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Multipart Description/PDF files in .zip description			
	Document Description	Start	End
	Amendment after Notice of Allowance (Rule 312)	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	6

Warnings:

Information:

Total Files Size (in bytes):	364745
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/424,733
	Filing Date	June 16, 2006
	First Named Inventor	David Wayne Flynt
	Art Unit	2617
	Examiner Name	Cumming, William D.
Total Number of Pages in This Submission	8	Attorney Docket Number MSFT-6512/315063.01

ENCLOSURES (Check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input checked="" type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):		
<table border="1" style="width: 100%;"> <tr> <td style="width: 100px;">Remarks</td> <td></td> </tr> </table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Woodcock Washburn LLP		
Signature	/Craig L. Cupid/		
Printed name	Craig L. Cupid		
Date	November 8, 2010	Reg. No.	61,308

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



NOTICE OF ALLOWANCE AND FEE(S) DUE

41505 7590 10/07/2010

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

EXAMINER: CUMMING, WILLIAM D
ART UNIT: 2617
PAPER NUMBER:
DATE MAILED: 10/07/2010

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

11/424,733 06/16/2006 David Wayne Flynt MSFT-6512/315063.01 8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional NO \$1510 \$300 \$0 \$1810 01/07/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

41505 7590 10/07/2010

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
 CIRA CENTRE, 12TH FLOOR
 2929 ARCH STREET
 PHILADELPHIA, PA 19104-2891

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	06/16/2006	David Wayne Flynt	MSFT-6512/315063.01	8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/07/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
CUMMING, WILLIAM D	2617	455-569100

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
---	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY AND STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
11/424,733 06/16/2006 David Wayne Flynt MSFT-6512/315063.01 8082

41505 7590 10/07/2010
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

Table with 2 columns: EXAMINER, ART UNIT, PAPER NUMBER
EXAMINER: CUMMING, WILLIAM D
ART UNIT: 2617
PAPER NUMBER: DATE MAILED: 10/07/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 609 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 609 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No. 11/424,733	Applicant(s) FLYNT ET AL.	
Examiner WILLIAM D. CUMMING	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to the Request for Continued Examination filed may 10, 2010.
- 2. The allowed claim(s) is/are 1-20.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____ .
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____ .
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____.


/WILLIAM D CUMMING/
Primary Examiner
Art Unit: 2617

Issue Classification 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

ORIGINAL				INTERNATIONAL CLASSIFICATION													
CLASS		SUBCLASS		CLAIMED						NON-CLAIMED							
455		569.1		H	O	4	M	1 / 00									
CROSS REFERENCE(S)																	
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																
379	93.17	433.01															
340	995.1																

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
2	2	18	18												
3	3	19	19												
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15	15														
16	16														

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617	02/07/2010	1	3
(Primary Examiner)	(Date)		

Index of Claims 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	04/15/2009	09/21/2009	02/07/2010	09/29/2010				
1	1	÷	=	=	=				
2	2	÷	=	=	=				
3	3	÷	=	=	=				
4	4	÷	=	=	=				
5	5	÷	=	=	=				
6	6	÷	=	=	=				
7	7	O	=	=	=				
8	8	✓	=	=	=				
9	9	✓	=	=	=				
10	10	✓	=	=	=				
11	11	✓	=	=	=				
12	12	✓	=	=	=				
13	13	✓	=	=	=				
14	14	✓	=	=	=				
15	15	✓	=	=	=				
16	16	✓	=	=	=				
17	17	✓	✓	=	=				
18	18	✓	✓	=	=				
19	19	✓	✓	=	=				
20	20	✓	✓	=	=				

Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number		11/424,733
				Filing Date		06-16-2006
				First Named Inventor		David Wayne Flynt
				Art Unit		2617
Examiner Name		Cummin, W. D.				
Sheet	1	of	2	Attorney Docket Number	MSFT-6512/315063.01	

U. S. PUBLICATION AND PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number	Publication or Grant Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number – Kind Code (if known)		
	33	2001/0015721 A1	08-23-2001	Byun et al.
	34	2003/0035008 A1	02-20-2003	Fuller et al.
	35	2004/0030741 A1	02-12-2004	Wolton et al.
	36	2004/0043758 A1	03-04-2004	Sorvari et al.
	37	2004/0221243 A1	11-04-2004	Twerdahl et al.
	38	2005/0207432 A1	09-22-2005	Velez-Rivera et al.
	39	2005/0149496	07--2005	Mukherjee et al.
	40	2006/0039548 A1	02-23-2006	Houmura et al.
	41	2006/0123360 A1	06-08-2006	Anwar et al.
	42	2006/0160528 A1	07-20-2006	Wang et al.
	43	2006/0242586 A1	10-26-2006	McGlinchey et al.
	44	2007/0192712 A1	08-16-2007	Lee et al.
	45	2007/0067272	03-22-2007	Flynt et al.
	46	2007/0240079	10-11-2007	Flynt et al.
	47	2007/0067726	03-22-2007	Flynt et al.
	48	2007/0067738	03-22-2007	Flynt et al.
	49	6,366,302 B1	04-02-2002	Crosby et al.
	50	7,134,081 B2	11-07-2006	Fuller et al.


Examiner Signature		Date Considered	
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Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/424,733
				Filing Date	06-16-2006
				First Named Inventor	David Wayne Flynt
				Art Unit	2617
				Examiner Name	Cummin, W. D.
Sheet	2	of	2	Attorney Docket Number	MSFT-6512/315063.01

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), Volume-issue Number(s), publisher, city and/or country where published.	T
	51	US Application No. 11/424,706: Final Rejection, dated December 14, 2009	
	52	US Application No. 11/424,706: Final Rejection, dated September 17, 2008	
	53	US Application No. 11/424,706: Official Action, dated March 27, 2008	
	54	US Application No. 11/424,706: Official Action, dated March 9, 2009	
	55	US Application No. 11/424,713: Final Rejection, dated December 29, 2008	
	56	US Application No. 11/424,713: Final Rejection, dated February 19, 2010	
	57	US Application No. 11/424,713: Official Action, dated May 30, 2008	
	58	US Application No. 11/424,713: Official Action, dated September 16, 2009	
	59	US Application No. 11/424,720: Official Action, dated December 1, 2008	
	60	US Application No. 11/424,720: Final Rejection, dated March 19, 2009	
	61	US Application No. 11/424,720: Official Action, dated August 21, 2009	
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	63	US Application No. 11/765,684: Final Rejection, dated October 27, 2009	
	64	US Application No. 11/765,684: Official Action, dated February 22, 2010	
	65	US Application No. 11/765,684: Official Action, dated February 25, 2009	

Examiner Signature	/William Cumming/	Date Considered	09/29/2010
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /W.C./

Search Notes 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	564, 569.1	4/15/09	
345	156, 173, 358, 428	4/15/09	wdc
379	93.17	4/15/09	wdc
273	292	4/15/09	wdc
update		9/21/09	wdc
update		2/7/10	wdc
update		9/29/10	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
455	569.1	2/7/10	wdc
update		9/29/10	wdc

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
--	---

**REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)**

Application Number	11424733	Filing Date	2006-06-16	Docket Number (if applicable)	MSFT-6512/315063.01	Art Unit	2617
First Named Inventor	David Wayne Flynt			Examiner Name	Cumming, William D.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

Other _____

Enclosed

Amendment/Reply

Information Disclosure Statement (IDS)

Affidavit(s)/ Declaration(s)

Other _____

MISCELLANEOUS

Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 233050

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Patent Practitioner Signature

Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	/Craig L. Cupid/	Date (YYYY-MM-DD)	2010-05-10
Name	Craig L. Cupid	Registration Number	61308

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11424733			
Filing Date:	16-Jun-2006			
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES			
First Named Inventor/Applicant Name:	David Wayne Flynt			
Filer:	Craig L. Cupid/Summer Uchin			
Attorney Docket Number:	MSFT-6512/315063.01			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for continued examination	1801	1	810	810
Total in USD (\$)				810

Electronic Acknowledgement Receipt

EFS ID:	7577449
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Craig L. Cupid/Summer Uchin
Filer Authorized By:	Craig L. Cupid
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	10-MAY-2010
Filing Date:	16-JUN-2006
Time Stamp:	11:11:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$810
RAM confirmation Number	9877
Deposit Account	233050
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Transmittal Letter	MSFT-6512_SIDS_Trans_5-10-10.PDF	86590 2d2358a0b2c332f78a1919a2c2ba1beb26aaba8f	no	4
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	MSFT-6512_SIDS_1449_5-10-10.PDF	92530 34aabe62f9e1162ef93e4c587e12c62ca38e4e49	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Request for Continued Examination (RCE)	MSFT-6512_RCE.PDF	1181058 b509773df954e25b9221f97995b3d25e6c4d0f21	no	3
Warnings:					
Information:					
4		related-matters_ProsecutionDocs.PDF	5816173 a61a8db2f346ba3ead24128f51f0213103f5bae1	yes	173
Multipart Description/PDF files in .zip description					
Document Description		Start	End		
NPL Documents		1	14		
NPL Documents		15	26		
NPL Documents		27	38		
NPL Documents		39	52		
NPL Documents		53	66		
NPL Documents		67	79		
NPL Documents		80	98		
NPL Documents		99	117		
NPL Documents		118	135		
NPL Documents		136	154		
NPL Documents		155	173		

Warnings:

Information:

5		11-424720_ProsecutionDocs. PDF	1714455 <small>ae20eb6fbf40e5faae5ebf528127fb4001347451</small>	yes	46
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Multipart Description/PDF files in .zip description			
Document Description	Start	End	
NPL Documents	1	8	
NPL Documents	9	21	
NPL Documents	22	36	
NPL Documents	37	46	

Warnings:

Information:

6	Fee Worksheet (PTO-875)	fee-info.pdf	30576 <small>0b219a97f7fd63f5eb7c48dd4e8e60277314635f</small>	no	2
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Warnings:

Information:

Total Files Size (in bytes):	8921382
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

David Wayne Flynt, et al.

Confirmation No.: 8082

Application No.: 11/424,733

Group Art Unit: 2617

Filing Date: 06-16-2006

Examiner: Cumming, W.

For: SEARCH INTERFACE FOR MOBILE DEVICES

Filed Via EFS

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

IDS Filed Under 37 CFR 1.97(b)

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

IDS filed Under 37 CFR 1.97(c)

In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

- Certification in Accordance with § 1.97(e) is attached; or
- The fee of **\$180.00** as set forth in § 1.17(p) is attached.

IDS filed Under 37 CFR 1.97(d)

In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

CONTENT OF IDS PURSUANT TO 37 CFR 1.98

Copies of reference numbers 33-50 listed on the attached Form PTO-1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(iii).

Copies of reference numbers 51-65 listed on the attached Form PTO-1449 are enclosed herewith.

Copies of reference numbers _____ are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number _____, filed _____ for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

STATEMENT OF RELEVANCE OF NON-ENGLISH LANGUAGE REFERENCES

The following documents are not in the English language. Accordingly, a concise explanation of the relevance of the document was incorporated in the specification passages identified below or the document was identified in a foreign communication as identified below.

Foreign Language Document	Cite No.	Pages of Reference in Specification or Relevance of Document

REFERENCES IN A LANGUAGE OTHER THAN ENGLISH

The following references are not in the English language. Accordingly, English language counterpart applications or abstract have been provided as indicated below:

Foreign Language Document	Cite No.	English Language Counterpart	Cite No.

CERTIFICATION IN ACCORDANCE WITH § 1.97(e)

I hereby certify that:

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this information disclosure statement.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

Date: 5/10/2010

/Craig L. Cupid/

Craig L. Cupid

Registration No. 61,308

WOODCOCK WASHBURN LLP

Cira Centre

2929 Arch Street, 12th Floor

Philadelphia, PA 19104-2891

Telephone: (215) 568-3100

Facsimile: (215) 568-3439

Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	11/424,733
			Filing Date	06-16-2006
			First Named Inventor	David Wayne Flynt
			Art Unit	2617
Examiner Name	Cummin, W. D.			
Attorney Docket Number	MSFT-6512/315063.01			
Sheet	1	of	2	

U. S. PUBLICATION AND PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number	Publication or Grant Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number – Kind Code (if known)		
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	35	2004/0030741 A1	02-12-2004	Wolton et al.
	36	2004/0043758 A1	03-04-2004	Sorvari et al.
	37	2004/0221243 A1	11-04-2004	Twerdahl et al.
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	39	2005/0149496	07--2005	Mukherjee et al.
	40	2006/0039548 A1	02-23-2006	Houmura et al.
	41	2006/0123360 A1	06-08-2006	Anwar et al.
	42	2006/0160528 A1	07-20-2006	Wang et al.
	43	2006/0242586 A1	10-26-2006	McGlinchey et al.
	44	2007/0192712 A1	08-16-2007	Lee et al.
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	46	2007/0240079	10-11-2007	Flynt et al.
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	48	2007/0067738	03-22-2007	Flynt et al.
	49	6,366,302 B1	04-02-2002	Crosby et al.
	50	7,134,081 B2	11-07-2006	Fuller et al.

Examiner Signature		Date Considered	
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Substitute for 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	11/424,733	
			Filing Date	06-16-2006	
			First Named Inventor	David Wayne Flynt	
			Art Unit	2617	
			Examiner Name	Cummin, W. D.	
Sheet	2	of	2	Attorney Docket Number	MSFT-6512/315063.01

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), Volume-issue Number(s), publisher, city and/or country where published.	T
	51	US Application No. 11/424,706: Final Rejection, dated December 14, 2009	
	52	US Application No. 11/424,706: Final Rejection, dated September 17, 2008	
	53	US Application No. 11/424,706: Official Action, dated March 27, 2008	
	54	US Application No. 11/424,706: Official Action, dated March 9, 2009	
	55	US Application No. 11/424,713: Final Rejection, dated December 29, 2008	
	56	US Application No. 11/424,713: Final Rejection, dated February 19, 2010	
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	60	US Application No. 11/424,720: Final Rejection, dated March 19, 2009	
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	63	US Application No. 11/765,684: Final Rejection, dated October 27, 2009	
	64	US Application No. 11/765,684: Official Action, dated February 22, 2010	
	65	US Application No. 11/765,684: Official Action, dated February 25, 2009	

Examiner Signature		Date Considered	
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/424,733	Filing Date 06/16/2006	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	SMALL ENTITY <input type="checkbox"/>	OR			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	OR	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =		OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>							
			TOTAL			TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR			
AMENDMENT	05/10/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20 = 0	X \$ =		OR	X \$52=	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3 = 0	X \$ =		OR	X \$220=	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	** =	X \$ =		OR	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	*** =	X \$ =		OR	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/DEBRA a. SAVOY/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/424,733	Filing Date 06/16/2006	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	SMALL ENTITY <input type="checkbox"/>	OR			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	OR	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =		OR	X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>							
			TOTAL			TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR			
AMENDMENT	05/10/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 20	Minus	** 20 = 0	X \$ =		OR	X \$52=	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3 = 0	X \$ =		OR	X \$220=	0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

	(Column 1)	(Column 2)	(Column 3)						
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	*	Minus	** =	X \$ =		OR	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	*** =	X \$ =		OR	X \$ =	
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
 /DEBRA a. SAVOY/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	06/16/2006	David Wayne Flynt	MSFT-6512/315063.01	8082
41505	7590	04/06/2010	EXAMINER	
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION) CIRA CENTRE, 12TH FLOOR 2929 ARCH STREET PHILADELPHIA, PA 19104-2891			CUMMING, WILLIAM D	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			04/06/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Response to Rule 312 Communication	Application No.	Applicant(s)
	11/424,733	FLYNT ET AL.
	Examiner	Art Unit
	WILLIAM D. CUMMING	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. The amendment filed on 29 March 2010 under 37 CFR 1.312 has been considered, and has been:
- a) entered.
 - b) entered as directed to matters of form not affecting the scope of the invention.
 - c) disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
 - d) disapproved. See explanation below.
 - e) entered in part. See explanation below.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit: 2617

OK TO ENTER: /W.C./

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: February 16, 2010

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt, et al.

Confirmation No.: **8082**

Application No.: **11/424,733**

Group Art Unit: **2617**

Filing Date: **June 16, 2006**

Examiner: **William D. Cumming**

For: **TILE SPACE USER INTERFACE FOR MOBILE DEVICES**

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT AFTER ALLOWANCE PURSUANT TO 37 CFR § 1.312

In response to the Notice of Allowance dated **February 16, 2010**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- Amendments to the Specification** begin on page _____ of this paper.
- Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.
- Amendments to the Drawings** begin on page _____ of this paper and include an attached replacement sheet.
- Remarks** begin on page 6 of this paper.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: February 16, 2010

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt, et al.

Confirmation No.: **8082**

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Group Art Unit: **2617**

Filing Date: **June 16, 2006**

Examiner: **William D. Cumming**

For: **TILE SPACE USER INTERFACE FOR MOBILE DEVICES**

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT AFTER ALLOWANCE PURSUANT TO 37 CFR § 1.312

In response to the Notice of Allowance dated **February 16, 2010**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- Amendments to the Specification** begin on page _____ of this paper.
- Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.
- Amendments to the Drawings** begin on page _____ of this paper and include an attached replacement sheet.
- Remarks** begin on page 6 of this paper.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and position within a tile space, wherein the tile space component includes a profile component that manages at least one user profile and the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile; and
 - a display component that displays a view of the tile space.
2. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an application tile that provides a link to a software application.
3. (Previously Presented) The user interface of claim 1, wherein the content is local to the mobile device.
4. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.
5. (Previously Presented) The user interface of claim 1, wherein the tile space is divided into a plurality of visually distinct zones.
6. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises an available tile component that manages a set of available tiles and a display tile component that manages the plurality of tiles selected from the set of available tiles.

7. (Previously Presented) The user interface of claim 6, wherein the at least one user profile is based upon one or more of a geographic location, time, and date.

8. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises a tile position component that manages the position of each of the plurality of tiles within the tile space.

9. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.

10. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on user input.

11. (Previously Presented) A processor-implemented method, comprising:
 - a processor generating a customizable display space capable of managing a plurality of dynamically updating tiles;
 - the processor populating the customizable display space with the plurality of tiles, wherein the plurality of tiles are selected from a set of available tiles based at least in part on at least one user profile; and
 - displaying a view of the display space on a display screen of a mobile device.

12. (Previously Presented) The method of claim 11, further comprising receiving user input and the processor navigating through the display space based at least in part on the user input.

13. (Previously Presented) The method of claim 12, wherein navigating through the display space comprises panning through the display space and selecting an active tile for display in a summary view.

14. (Previously Presented) The method of claim 13, wherein panning through the display space comprises wrapping from one edge of the display space to an opposite edge of the display space such that the display space forms a continuous loop.

15. (Previously Presented) The method of claim 12, wherein navigating through the display space further comprises zooming between different zoom depths within the display space.

16. (Previously Presented) The method of claim 11, wherein displaying a view of the display space further comprises selecting an active tile from the plurality of tiles and displaying an enlarged, summary view of the active tile.

17. (Previously presented) A system comprising a processor and a computer-readable storage device, the device storing executable instructions that when processed by said processor cause said processor to implement the steps comprising:
 - generating a customizable tile space capable of managing a plurality of tiles;
 - populating the customizable tile space with the plurality of tiles;
 - selecting one or more tiles from a set of available tiles based at least in part on a user profile;
 - dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and
 - displaying a view of the tile space.

18. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising receiving user input navigating through the tile space based at least in part on the user input.

19. (Previously Presented) The system of claim 17, wherein the user profile is based upon one or more of a geographic location, time, and date.

DOCKET NO.: MSFT-6512/315063.01

PATENT

Application No.: 11/424,733

Notice of Allowance Dated: February 16, 2010

20. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising panning through the tile space and selecting a tile from the plurality of tiles for an enlarged view.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Notice of Allowance Dated: February 16, 2010

PATENT

REMARKS

Claims 1 - 20 are pending and have been allowed. Applicant submits the foregoing amendments to address informalities in independent claim 1. No new matter has been added.

Applicant respectfully requests Examiner please also affirmatively accept the drawings within this application, because it was not done so during prosecution.

Applicant respectfully requests that the proposed amendments be entered as they do not amount to significant additional work on the part of the U.S. Patent and Trademark Office.

Date: March 29, 2010

/Craig L. Cupid/
Craig L. Cupid
Registration No. 61,308

Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

Electronic Acknowledgement Receipt

EFS ID:	7302535
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Craig L. Cupid/Ricki Moss
Filer Authorized By:	Craig L. Cupid
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	29-MAR-2010
Filing Date:	16-JUN-2006
Time Stamp:	11:58:45
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	31506301_MSFT6512_TRANS_03_29_2010.PDF	295169 <small>dadf3c9c3b8417c1582d1c8f79b1b0e011321bad</small>	no	2

Warnings:

Information:

2		31506301_MSFT6512_312Amd t_03_29_2010.PDF	76885 d4a369fd7452079aedb71e09aab02a3d3a9 3e3f3	yes	6
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Multipart Description/PDF files in .zip description			
	Document Description	Start	End
	Amendment after Notice of Allowance (Rule 312)	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	6

Warnings:

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National Stage of an International Application under 35 U.S.C. 371

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/424,733
	Filing Date	June 16, 2006
	First Named Inventor	David Wayne Flynt
	Art Unit	2617
	Examiner Name	William D. Cumming
Total Number of Pages in This Submission	8	Attorney Docket Number MSFT-6512/315063.01

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input checked="" type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<div style="border: 1px solid black; padding: 2px; display: inline-block; width: 100px;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Woodcock Washburn LLP		
Signature	/Craig L. Cupid/		
Printed name	Craig L. Cupid		
Date	March 29, 2010	Reg. No.	61,308

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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Bib Data Sheet

CONFIRMATION NO. 8082

Table with 5 columns: SERIAL NUMBER (11/424,733), FILING OR 371(c) DATE (06/16/2006), CLASS (455), GROUP ART UNIT (2617), ATTORNEY DOCKET NO. (MSFT-6512/315063.01)

APPLICANTS
David Wayne Flynt, Lake Forest Park, WA;
Bryan T. Agnetta, Seattle, WA;
Sally Louise Barton, Seattle, WA;
Eduardo Escardo-Raffo, Seattle, WA;
Tirthankar Sengupta, Sammamish, WA;
Peter G. Chin, Seattle, WA;
Hok-Sum Horace Luke, Mercer Island, WA;
** CONTINUING DATA *****
This appln claims benefit of 60/718,187 09/16/2005
** FOREIGN APPLICATIONS *****
IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 06/27/2006

Table with 5 columns: Foreign Priority claimed (yes/no), 35 USC 119 (a-d) conditions (yes/no/Met after), STATE OR COUNTRY (WA), SHEETS DRAWING (15), TOTAL CLAIMS (20), INDEPENDENT CLAIMS (3)

ADDRESS
41505

TITLE
TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Table with 2 columns: FILING FEE RECEIVED (1000) and FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: (List of fee options: All Fees, 1.16 Fees (Filing), 1.17 Fees (Processing Ext. of time), 1.18 Fees (Issue), Other, Credit)



NOTICE OF ALLOWANCE AND FEE(S) DUE

41505 7590 02/16/2010

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

EXAMINER: CUMMING, WILLIAM D
ART UNIT: 2617 PAPER NUMBER:
DATE MAILED: 02/16/2010

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

11/424,733 06/16/2006 David Wayne Flynt MSFT-6512/315063.01 8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional NO \$1510 \$300 \$0 \$1810 05/17/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

41505 7590 02/16/2010

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
 CIRA CENTRE, 12TH FLOOR
 2929 ARCH STREET
 PHILADELPHIA, PA 19104-2891

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	06/16/2006	David Wayne Flynt	MSFT-6512/315063.01	8082

TITLE OF INVENTION: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/17/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
CUMMING, WILLIAM D	2617	455-569100

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY AND STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 11/424,733, 06/16/2006, David Wayne Flynt, MSFT-6512/315063.01, 8082
Row 2: 41505, 7590, 02/16/2010
Text: WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION), CIRA CENTRE, 12TH FLOOR, 2929 ARCH STREET, PHILADELPHIA, PA 19104-2891
Text: EXAMINER CUMMING, WILLIAM D
Text: ART UNIT 2617, PAPER NUMBER
Text: DATE MAILED: 02/16/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 582 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 582 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No. 11/424,733	Applicant(s) FLYNT ET AL.	
Examiner WILLIAM D. CUMMING	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to the amendment filed January 22, 2010.
- 2. The allowed claim(s) is/are 1-20.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____ .
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
- 5. Notice of Informal Patent Application
- 6. Interview Summary (PTO-413),
Paper No./Mail Date _____ .
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit: 2617

Index of Claims 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47


CLAIM		DATE							
Final	Original	04/15/2009	09/21/2009	02/07/2010					
1	1	+	=	=					
2	2	+	=	=					
3	3	+	=	=					
4	4	+	=	=					
5	5	+	=	=					
6	6	+	=	=					
7	7	O	=	=					
8	8	✓	=	=					
9	9	✓	=	=					
10	10	✓	=	=					
11	11	✓	=	=					
12	12	✓	=	=					
13	13	✓	=	=					
14	14	✓	=	=					
15	15	✓	=	=					
16	16	✓	=	=					
17	17	✓	✓	=					
18	18	✓	✓	=					
19	19	✓	✓	=					
20	20	✓	✓	=					

Issue Classification 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

ORIGINAL				INTERNATIONAL CLASSIFICATION									
CLASS		SUBCLASS		CLAIMED				NON-CLAIMED					
455		569.1		H	0	4	M	1 / 00 (2006.01.01)					
CROSS REFERENCE(S)													
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)												
379	93.17	433.01											
340	995.1												

<input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
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16	16														

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617	02/07/2010	1	3
(Primary Examiner)	(Date)		

Search Notes 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	564, 569.1	4/15/09	
345	156, 173, 358, 428	4/15/09	wdc
379	93.17	4/15/09	wdc
273	292	4/15/09	wdc
update		9/21/09	wdc
update		2/7/10	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
455	569.1	2/7/10	wdc

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Office Action Dated: September 24, 2009

PATENT
Via EFS

OK TO ENTER: /W.C./

02/07/2010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt, et al.

Confirmation No.: **8082**

Application No.: **11/424,733**

Group Art Unit: **2617**

Filing Date: **June 16, 2006**

Examiner: **William D. Cumming**

For: **Tile Space User Interface For Mobile Devices**

Mail Stop After Final
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REPLY PURSUANT TO 37 CFR § 1.116

In response to the Official Action dated **September 24, 2009**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- Amendments to the Specification** begin on page of this paper.
- Amendments to the Claims** are reflected in the listing of the claims which begins on page 3 of this paper.
- Amendments to the Drawings** begin on page of this paper and include an attached replacement sheet.
- Remarks** begin on page 6 of this paper.

Payment/Credit of Fees and Extension of Time Authorization

The Commissioner is hereby authorized to charge any fees that were not specifically paid but are considered necessary in regard to this communication to Deposit Account No. 23-3050. The Commissioner is also hereby authorized to credit any overpayment of paid fees associated with this communication to Deposit Account No. 23-3050.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Office Action Dated: September 24, 2009

PATENT
Via EFS

The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this communication or any future communication submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to Deposit Account 23-3050.

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Office Action Dated: September 24, 2009

PATENT
Via EFS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt, et al.

Confirmation No.: **8082**

Application No.: **11/424,733**

Group Art Unit: **2617**

Filing Date: **June 16, 2006**

Examiner: **William D. Cumming**

For: **Tile Space User Interface For Mobile Devices**

Mail Stop After Final
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

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- Amendments to the Claims** are reflected in the listing of the claims which begins on page 3 of this paper.
- Amendments to the Drawings** begin on page of this paper and include an attached replacement sheet.
- Remarks** begin on page 6 of this paper.

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DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Office Action Dated: September 24, 2009

PATENT
Via EFS

The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this communication or any future communication submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to Deposit Account 23-3050.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and positioned within a tile space, wherein the tile space component includes a profile component that manages at least one user profile and the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile; and
 - a display component that displays a view of the tile space.
2. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an application tile that provides a link to a software application.
3. (Previously Presented) The user interface of claim 1, wherein the content is local to the mobile device.
4. (Previously Presented) The user interface of claim 1, wherein the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.
5. (Previously Presented) The user interface of claim 1, wherein the tile space is divided into a plurality of visually distinct zones.
6. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises an available tile component that manages a set of available tiles and a display tile component that manages the plurality of tiles selected from the set of available tiles.

7. (Previously Presented) The user interface of claim 6, wherein the at least one user profile is based upon one or more of a geographic location, time, and date.
8. (Previously Presented) The user interface of claim 1, wherein the tile space component further comprises a tile position component that manages the position of each of the plurality of tiles within the tile space.
9. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.
10. (Previously Presented) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on user input.
11. (Previously Presented) A processor-implemented method, comprising:
 - a processor generating a customizable display space capable of managing a plurality of dynamically updating tiles;
 - the processor populating the customizable display space with the plurality of tiles, wherein the plurality of tiles are selected from a set of available tiles based at least in part on at least one user profile; and
 - displaying a view of the display space on a display screen of a mobile device.
12. (Previously Presented) The method of claim 11, further comprising receiving user input and the processor navigating through the display space based at least in part on the user input.
13. (Previously Presented) The method of claim 12, wherein navigating through the display space comprises panning through the display space and selecting an active tile for display in a summary view.
14. (Previously Presented) The method of claim 13, wherein panning through the display space comprises wrapping from one edge of the display space to an opposite edge of the

display space such that the display space forms a continuous loop.

15. (Previously Presented) The method of claim 12, wherein navigating through the display space further comprises zooming between different zoom depths within the display space.

16. (Previously Presented) The method of claim 11, wherein displaying a view of the display space further comprises selecting an active tile from the plurality of tiles and displaying an enlarged, summary view of the active tile.

17. (Currently Amended) A system comprising a processor and a computer-readable storage ~~medium~~ device, the device storing executable instructions that when processed by said processor cause said processor to implement the steps comprising:

- generating a customizable tile space capable of managing a plurality of tiles;
- populating the customizable tile space with the plurality of tiles;
- selecting one or more tiles from a set of available tiles based at least in part on a user profile;
- dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and
- displaying a view of the tile space.

18. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising receiving user input navigating through the tile space based at least in part on the user input.

19. (Previously Presented) The system of claim 17, wherein the user profile is based upon one or more of a geographic location, time, and date.

20. (Previously Presented) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising panning through the tile space and selecting a tile from the plurality of tiles for an enlarged view.

REMARKS

Claims 1-20 are pending in the application. Claims 1-16 are allowed. Claim 17 has been amended to clarify the embodiment. Support for the amendment to claim 17 can be found throughout the specification and particularly in paragraph [0083] of the as-filed specification, for example. No claims have been added in this reply. No claims have been added or canceled in this reply. No new matter has been added.

In the final office action dated September 24, 2009:

- 1) Claims 1-16 were allowed;
- 2) Claims 17-20 were rejected under 35 U.S.C. §101; and
- 3) The drawings were indicated as objected-to in the office action summary.

Withdrawal of all outstanding rejections and objections is respectfully requested for at least the reasons set forth below.

Allowed Subject Matter

Applicants acknowledge and appreciate that the office action has determined that claims 1-16 are allowed. In light of the recent Examiner interview, the claim amendments submitted herewith, and the present remarks, claims 17-20 are believed to be in allowable form.

Examiner Interview Summary

Applicants thank Examiner Cumming for the courtesy of the telephonic interview that was conducted on January 8, 2010 with Applicants' representative Michael Jordan. During the interview, the outstanding rejections based on §101 were discussed. Potential claim amendments were also discussed that the Examiner commented would overcome the currently pending §101 based rejections.

Claim Rejections Under 35 U.S.C. §101

Claims 17-20 stand rejected under 35 U.S.C. §101 as allegedly being directed to unpatentable subject matter. The office action contends that independent claim 17 is directed to both statutory and non-statutory subject matter. Claim 17, as-amended, recites as follows (underlining for emphasis only):

A system comprising a processor and a computer-readable storage device, the device storing executable instructions that when processed by said processor cause said processor to implement the steps comprising:
generating a customizable tile space capable of managing a plurality of tiles;
populating the customizable tile space with the plurality of tiles;
selecting one or more tiles from a set of available tiles based at least in part on a user profile;
dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and
displaying a view of the tile space.

Specifically, the office action contends that the previously recited computer readable storage medium may be a carrier wave and therefore covers a non-statutory embodiment because a carrier wave is a transitory form of signal transmission. In order to advance prosecution, and without prejudice or disclaimer, claim 17 has been amended to recite a computer-readable storage device, the device storing executable instructions. However, for the record, Applicants also respectfully traverse the outstanding rejection because the office action has, apparently, not given full consideration to the previous claim recitation of a “computer-readable *storage* medium *storing* executable instructions.”

The office action refers to paragraph [0092] of the as-filed specification to support the contention that the previously recited form of claim 17 was directed to, at least in part, non-statutory subject matter. The office action recites from the as-filed specification that the term “article of manufacture” or a “computer program product” is intended to encompass a computer program accessible from any computer-readable device, carrier, or media. The office action also recites from the as-filed specification that a carrier wave can be employed to carry computer-readable electronic data. However, the previous form of claim 17 recited a

system that includes a computer-readable *storage* medium. Although the as-filed specification contemplates that a computer program product may encompass a computer program *accessible from* a computer-readable device, carrier, or media; the previous form of claim 17 was directed to, in part, a computer-readable *storage* medium. The previous form of claim 17 was not directed to a computer program accessible from a carrier wave or a computer program carried by a carrier wave.

As recited in paragraph [0083] of the as-filed specification, computer-readable instructions may be *stored* on computer-readable media such as, for example, a hard disk drive (HDD), a removable magnetic diskette, a compact disk (CD), or a digital versatile disk (DVD), computer memory, and the like. A computer-readable *storage* medium is not a carrier wave. A computer-readable *storage* medium is not a transitory form of signal transmission. Thus, Applicants maintain their assertion that the previous form of claim 17 recited patentable subject matter.

However, as indicated above, claim 17 has been amended to recite a computer-readable storage device, the device storing executable instructions. As discussed previously, the as-filed specification discloses that computer-readable instructions may be stored on various media, such as a computer memory, hard disks, diskettes, CD, or DVD, among other like devices. Such devices are physical media that contain the stored computer-readable instructions.

Therefore, claim 17 is directed to patentable subject matter. Accordingly, Applicants respectfully request that the §101 rejection of claim 17 be reconsidered and withdrawn.

In addition, claims 18-20 are believed to be directed to patentable subject matter for at least the reason that claims 18-20 depend from a base claim that is directed to patentable subject matter and recite additional patentable subject matter. Accordingly, Applicants respectfully request that the §101 rejections of claims 18-20 be reconsidered and withdrawn.

Objections to the Drawings

The office action summary indicates that the drawings are objected to. However, the office action's detailed action section does not reflect any objections to the drawings. Applicants believe that the objection to the drawings made in the previous office action was at least adequately addressed in the reply to the previous office action. Accordingly,

DOCKET NO.: MSFT-6512/315063.01
Application No.: 11/424,733
Office Action Dated: September 24, 2009

PATENT
Via EFS

Applicants respectfully request that the drawings be formally indicated as accepted in the next official communication from the Office regarding the present application.

Conclusion

Insofar as the office action's rejections having been adequately addressed, Applicants believe that the current application, including claims 1-20, is in condition for allowance and such action is respectfully requested.

The Examiner is invited to call the Applicants' undersigned representative to discuss this application should the Examiner determine such a discussion would facilitate the application's allowance.

Date: January 21, 2010

/Michael Jordan/

Michael Jordan
Registration No. 61,698

Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

Electronic Patent Application Fee Transmittal

Application Number:	11424733
Filing Date:	16-Jun-2006
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Filer:	Michael Jordan/anitra hampton
Attorney Docket Number:	MSFT-6512/315063.01

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with \$0 paid	1251	1	130	130

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				130

Electronic Acknowledgement Receipt

EFS ID:	6863144
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	41505
Filer:	Michael Jordan
Filer Authorized By:	
Attorney Docket Number:	MSFT-6512/315063.01
Receipt Date:	22-JAN-2010
Filing Date:	16-JUN-2006
Time Stamp:	14:44:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$130
RAM confirmation Number	979
Deposit Account	233050
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	ReplyTrntoFinalOADtd92409.PDF	276606 d9ac7b734daa72712a545287d143213de6b791f8	no	2

Warnings:

Information:

2	Extension of Time	ExtOfTimeforFinalOADated92409.PDF	322137 3a25cb72229c03876736616b089433d8eacdb96	no	2
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Warnings:

Information:

3		MSFT6512AFReplytoOADated92409.pdf	157281 736472fcc68fc3ee29e151ef8240601fa7af66e	yes	9
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Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment After Final	1	2
Claims	3	5
Applicant Arguments/Remarks Made in an Amendment	6	9

Warnings:

Information:

4	Fee Worksheet (PTO-875)	fee-info.pdf	30361 b333dde2c8585550a6a3dc084b85ad64159ff79f	no	2
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Warnings:

Information:

Total Files Size (in bytes):			786385
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1>TRANSMITTAL FORM</h1> <p><i>(to be used for all correspondence after initial filing)</i></p>	Application Number	11/424,733
	Filing Date	June 16, 2006
	First Named Inventor	David Wayne Flynt, et al.
	Art Unit	2617
	Examiner Name	William D. Comming
Total Number of Pages in This Submission	Attorney Docket Number	MSFT-6512/315063.01

ENCLOSURES (Check all that apply)				
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):		
<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Remarks</td> <td></td> </tr> </table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Woodcock Washburn, LLP		
Signature	/Michael Jordan/		
Printed name	Michael Jordan		
Date	January 22, 2010	Reg. No.	61,895

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2009 <i>(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)</i>		Docket Number (Optional) MSFT-6512/315063.01
Application Number 11/424,733		Filed June 16, 2006
For Tile Space user Interface For Mobile Devices		
Art Unit 2617		Examiner William D. Cumming
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):		
	<u>Fee</u>	<u>Small Entity Fee</u>
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$130	\$65 \$ <u>130.00</u>
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$490	\$245 \$ _____
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1110	\$555 \$ _____
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1730	\$865 \$ _____
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2350	\$1175 \$ _____
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		
<input type="checkbox"/> A check in the amount of the fee is enclosed.		
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.		
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.		
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>233050</u> .		
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.		
I am the <input type="checkbox"/> applicant/inventor.		
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).		
<input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>61,698</u>		
<input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____		
<u>/Michael Jordan/</u> Signature		<u>January 22, 2010</u> Date
<u>Michael Jordan</u> Typed or printed name		<u>215.568.3100</u> Telephone Number
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.		
<input type="checkbox"/> Total of _____ forms are submitted.		

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/424,733	Filing Date 06/16/2006	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	SMALL ENTITY <input type="checkbox"/>		OR	SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		OR	N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =			X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY	
AMENDMENT	01/22/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
	Total <small>(37 CFR 1.16(i))</small>	* 20	Minus	** 20 = 0	X \$ =		OR	X \$52=	0
	Independent <small>(37 CFR 1.16(h))</small>	* 3	Minus	***3 = 0	X \$ =		OR	X \$220=	0
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY	
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)	
	Total <small>(37 CFR 1.16(i))</small>	*	Minus	** =	X \$ =		OR	X \$ =	
	Independent <small>(37 CFR 1.16(h))</small>	*	Minus	*** =	X \$ =		OR	X \$ =	
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>								
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

Legal Instrument Examiner:
 /KIMBERLY PANNELL/

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/424,733	Filing Date 06/16/2006	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY				
(Column 1)		(Column 2)	SMALL ENTITY <input type="checkbox"/>		OR	SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		OR	N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A			N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A			N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =			X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =			X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY					
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY		
AMENDMENT	01/22/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)	
		Total <small>(37 CFR 1.16(i))</small>	* 20	Minus	** 20 = 0	X \$ =		OR	X \$52=	0
		Independent <small>(37 CFR 1.16(h))</small>	* 3	Minus	***3 = 0	X \$ =		OR	X \$220=	0
		<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR		
		<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0	

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY					
(Column 1)		(Column 2)	(Column 3)		SMALL ENTITY		OR	SMALL ENTITY		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)	
		Total <small>(37 CFR 1.16(i))</small>	*	Minus	** =	X \$ =		OR	X \$ =	
		Independent <small>(37 CFR 1.16(h))</small>	*	Minus	*** =	X \$ =		OR	X \$ =	
		<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR		
		<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
 /KIMBERLY PANNELL/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	06/16/2006	David Wayne Flynt	MSFT-6512/315063.01	8082
41505	7590	01/11/2010	EXAMINER	
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION) CIRA CENTRE, 12TH FLOOR 2929 ARCH STREET PHILADELPHIA, PA 19104-2891			CUMMING, WILLIAM D	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			01/11/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No. 11/424,733	Applicant(s) FLYNT ET AL.	
	Examiner WILLIAM D. CUMMING	Art Unit 2617	

All participants (applicant, applicant's representative, PTO personnel):

(1) WILLIAM D. CUMMING. (3)_____.

(2) Mike Jordan. (4)_____.

Date of Interview: 08 January 2010.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.
If Yes, brief description: _____.

Claim(s) discussed: 17-20.

Identification of prior art discussed: none.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: if the term "medium" to "device" meaning that the computer readable storage is physical and NOT a carrier or electromagnetic wave.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/WILLIAM D CUMMING/
Primary Examiner, Art Unit 2617

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/424,733	06/16/2006	David Wayne Flynt	MSFT-6512/315063.01	8082

41505 7590 09/24/2009
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891

EXAMINER

CUMMING, WILLIAM D

ART UNIT	PAPER NUMBER
----------	--------------

2617

MAIL DATE	DELIVERY MODE
-----------	---------------

09/24/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 11-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Regarding claims 17-20, the specification states, "*The disclosed subject matter may be implemented as a system, method, apparatus, or article of manufacture using standard programming and/or engineering techniques to produce software, firmware, hardware, or any combination thereof to control a computer or processor based device to implement aspects detailed herein. The term "article of manufacture" (or alternatively, "computer program product") as used herein is intended to encompass a computer program accessible from any computer-readable device, **carrier**, or media. For example, computer readable media can include but are not limited to magnetic storage devices (e.g., hard disk, floppy disk, magnetic strips . . .), optical disks (e.g. compact disk (CD), digital versatile disk (DVD) . . .), smart cards, and flash memory devices (e.g., card, stick). Additionally it should be appreciated that a **carrier wave** can be employed to carry computer-readable electronic data such as those used in transmitting and receiving electronic mail or in accessing a network such as the Internet or a local area network (LAN). Of course, those skilled in the art will*

recognize many modifications may be made to this configuration without departing from the scope or spirit of the claimed subject matter.”

The subject matter of the claim **MUST** be directed to one of the four subject matter categories. If it is not, the claim is not eligible for patent protection and should be rejected under § 101, for at least this reason.

A summary of the four categories of invention, as they have been defined by the courts, are:

- i. Process – an act, or a series of acts or steps that are tied to a particular machine or apparatus or transform a particular article into a different state or thing.
- ii. Machine – a concrete thing, consisting of parts, or of certain devices and combination of devices. This includes every mechanical device or combination of mechanical powers and devices to perform some function and produce a certain effect or result.
- iii. Manufacture – an article produced from raw or prepared materials by giving to these materials new forms, qualities, properties, or combinations, whether by hand-labor or by machinery.
- iv. Composition of matter – all compositions of two or more substances and all composite articles, whether they be the results of chemical union, or of mechanical mixture, or whether they be gases, fluids, powders or solids, for example.

Non-limiting examples of claims that are not directed to one of the statutory categories:

- i. Transitory forms of signal transmission (for example, a propagating electrical or electromagnetic signal *per se*).
- ii. A naturally occurring organism.
- iii. A human *per se*.
- iv. A legal contractual agreement between two parties.
- v. A game defined as a set of rules.
- vi. A computer program *per se*.
- vii. A company.

A claim that covers **BOTH** statutory and non-statutory embodiments (under the broadest reasonable interpretation of the claim when read in light of the specification and in view of one skilled in the art) embraces subject matter that is not eligible for patent protection and therefore is directed to non-statutory subject matter. Such claims fail the first step and should be rejected under § 101, for at least this reason. For example, a claim to a computer readable medium that can be a compact disc or *a carrier wave* covers a non-statutory embodiment and therefore should be rejected under § 101 as being directed to non-statutory subject matter.

Allowable Subject Matter

3. Claims 1-16 are allowed.

4. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Conclusion

5. If applicants wish to request for an interview, an "*Applicant Initiated Interview Request*" form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed "*Applicant Initiated Interview Request*" form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.

6. If applicants request an interview after this **final rejection**, prior to the interview, the intended purpose and content of the interview should be presented briefly, in writing.

Such an interview may be granted if the examiner is convinced that disposal or clarification for appeal may be accomplished with only nominal further consideration.

Interviews merely to **restate arguments** of record or to **discuss new limitations** which would require more than nominal reconsideration or new search will be denied.

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

8. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

9. **USPTO Issues Interim Examination Instructions for Evaluating Patent Subject Matter Eligibility**

The USPTO has provided Interim Examination Instructions for Evaluating Patent Subject Matter Eligibility (hereinafter "Interim Eligibility Instructions") for use by USPTO personnel in their review of patent applications to determine whether the claims in a patent application are directed to patent eligible subject matter under 35 U.S.C. § 101 pending a final decision from the U.S. Supreme Court in Bilski v. Kappos, S.Ct. No. 08-964 (cert. granted June 1, 2009). The USPTO has begun the process of training examiners on the Interim Eligibility Instructions.

The USPTO is also posting the Interim Eligibility Instructions on the USPTO's Internet Web site (www.uspto.gov), and is requesting public comment on them. The USPTO is issuing the Interim Eligibility Instructions and has begun the process of training examiners on these instructions to reduce the delay in delivering these instructions to examiners, but the USPTO desires the benefit of public comment on the instructions and will revise the guidelines as appropriate based on comments received. To be ensured of consideration, written comments must be received on or before September 28, 2009. Comments should be sent by electronic mail message over the Internet addressed to AB98.Comments@uspto.gov. Comments may also be submitted by facsimile to (571) 273-0125, marked to the attention of Caroline D. Dennison. Although comments may be submitted by mail or facsimile, the USPTO prefers to receive comments via the Internet. Because comments will be made available for public inspection, information that is not desired to be made public, such as an address or phone number, should not be included in the comments.

For further information contact Caroline D. Dennison, Office of the Deputy Commissioner for Patent Examination Policy, by telephone at 571-272-7729, or by facsimile transmission to 571-273-0125, marked to the attention of Caroline D. Dennison

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **WILLIAM D. CUMMING** whose telephone number is 571-272-7861. The examiner can normally be reached on Tuesday- Friday, 11:00am-8:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 571-272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit 2617



UNITED STATES
PATENT AND
TRADEMARK OFFICE

WILLIAM CUMMING
PRIMARY PATENT EXAMINER
william.cumming@uspto.gov

Index of Claims 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	04/15/2009	09/21/2009						
	1	+	=						
	2	+	=						
	3	+	=						
	4	+	=						
	5	+	=						
	6	+	=						
	7	O	=						
	8	✓	=						
	9	✓	=						
	10	✓	=						
	11	✓	=						
	12	✓	=						
	13	✓	=						
	14	✓	=						
	15	✓	=						
	16	✓	=						
	17	✓	✓						
	18	✓	✓						
	19	✓	✓						
	20	✓	✓						

Search Notes 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	564, 569.1	4/15/09	
345	156, 173, 358, 428	4/15/09	wdc
379	93.17	4/15/09	wdc
273	292	4/15/09	wdc
update		9/21/09	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/424,733	06/16/2006	David Wayne Flynt	315063.01

CONFIRMATION NO. 8082

POA ACCEPTANCE LETTER

41505
WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)
CIRA CENTRE, 12TH FLOOR
2929 ARCH STREET
PHILADELPHIA, PA 19104-2891



Date Mailed: 08/24/2009

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/06/2009.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/mayalew/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/424,733	06/16/2006	David Wayne Flynt	MS315063.01/ MSFTP1355US

CONFIRMATION NO. 8082

POWER OF ATTORNEY NOTICE



27195
TUROCY & WATSON, LLP
127 Public Square
57th Floor, Key Tower
CLEVELAND, OH 44114

Date Mailed: 08/24/2009

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/06/2009.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervned as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/mayalew/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

ITW

Application Number: 11/424733
Filing Date: 6/16/2006
First Named Inventor: David Wayne Flynt
Title: Tile Space User Interface For Mobile Devices
Art Unit: 2617
Examiner Name: William D. Cumming
Attorney Docket Number: 315063.01



**REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY
AND CHANGE OF CORRESPONDENCE ADDRESS**

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number: **41505**

Please recognize a change in correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number.

I am the Assignee of record of the entire interest. See 37 C.F.R. 3.71. Statement under 37 CFR 3.73(b) submitted herewith.

MICROSOFT CORPORATION

A handwritten signature in cursive script that reads "D. Bartley Eppenauer".

By:

D. Bartley Eppenauer
Assistant Secretary, Chief Patent Counsel
Microsoft Corporation
(425) 882-8080

Assignee of Record

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Microsoft Corporation

Application No./Patent No.: 11/424733

Filed/Issue Date: 6/16/2006

Microsoft Corporation, a corporation, states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title, and interest in (the extent (by percentage) of its ownership is _____%); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at **Reel/Frame: 017993 / 0983**, or for which a copy therefor is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08.]

The undersigned, whose title is supplied below, is authorized to act on behalf of the assignee.



Date: May 6, 2009

D. Bartley Eppenauer
Assistant Secretary, Chief Patent Counsel
Microsoft Corporation
(425) 882-8080

DOCKET NO.: MSFT-6512
Application No.: 11/424,733
Office Action Dated: April 21, 2009

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
David Wayne Flynt et al.

Confirmation No.: 8082

Application No.: 11/424,733

Group Art Unit: 2617

Filing Date: June 16, 2006

Examiner: Cumming, William D.

For: **TILE SPACE USER INTERFACE FOR MOBILE DEVICES**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REPLY PURSUANT TO 37 CFR § 1.111

In response to the Official Action dated **April 21, 2009**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- Amendments to the Abstract** begin on page 2 of this paper.
- Amendments to the Specification** begin on page 3 of this paper.
- Amendments to the Claims** are reflected in the listing of the claims which begins on page 4 of this paper.
- Amendments to the Drawings** begin on page _____ of this paper and include an attached replacement sheet.
- Remarks** begin on page 8 of this paper.
- Request For Refund** submitted herewith.

DOCKET NO.: MSFT-6512
Application No.: 11/424,733
Office Action Dated: April 21, 2009

PATENT

Amendments to the Abstract:

1. Please amend the current Abstract as follows:

~~The subject disclosure pertains to systems~~ Systems and methods for providing ~~a~~ an improved user interface for mobile devices ~~enable data~~ Data and services available through the mobile device ~~can~~ to be represented as a set of tiles maintained in a display space. The tiles provide a snapshot of the current state of content available through the mobile device without requiring any interaction by the user. The tiles and display space are customizable and can be dynamically updated to display content to a user. In addition, tiles can provide functionality, including simple tasks to a user without requiring the user to navigate away from the tile display space. Tiles can also provide quick access to start software applications. Tiles can be organized in the display space by the user or the tiles can be automatically grouped based upon associated metadata.

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Amendments to the Specification:

1. Please amend paragraph [0001] of the specification as follows:

[0001] This is an application claiming benefit under 35 U.S.C. 119(e) of U.S. Provisional Patent application Ser. No. 60/718,187 entitled "ENHANCED PORTABLE DEVICE NAVIGATION TOOLS" and filed Sep. 16, 2005. This application is also related to co-pending U.S. patent application Ser. No. 11/424,720, (~~Atty. Docket No. MS315059.01/MSFTP1352US~~), entitled, "SEARCH INTERFACE FOR MOBILE DEVICES", and filed June 16, 2006; U.S. patent application Ser. No. 11/424,713, (~~Atty. Docket No. MS315060.01/MSFTP1309US~~), entitled, "EXTENSIBLE, FILTERED LISTS FOR MOBILE DEVICE USER INTERFACE", and filed June 16, 2006; and U.S. patent application Ser. No. 11/424,706, (~~Atty. Docket No. MS315061.01/MSFTP1354US~~), entitled, "CONTENT SHARING USER INTERFACE FOR MOBILE DEVICES", and filed June 16, 2006. The entireties of the above-noted applications are incorporated by reference herein.

2. Please amend paragraph [0078] of the specification as follows:

[0078] Referring now to FIG. 13, a methodology for updating a tile space based upon a user profile in accordance with an aspect described herein is illustrated. At 1302, a user profile can be selected from one or more possible user profiles. User profiles can define the tiles available for display on the mobile device and can be specified to provide the user with relevant content based upon the user's context. Selection of a user profile can be based upon location of the mobile device, time of day, day of the week or any other relevant information. At 1304, the tiles to be displayed are selected based upon the user profile. The view of tile space is determined at 1306. For example, the display tiles can include a default tile, such that the display is centered on the default tile. At 1308, the tile space can be updated ~~to~~ in accordance with the selected user profile.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) ~~An~~ A user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and positioned within a tile space, wherein the tile space component includes a profile component that manages at least one user profile and the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile; and
 - a display component that displays a view of the tile space.

2. (Currently amended) The user interface of claim 1, wherein the plurality of tiles includes an application tile that provides a link to a software application.

3. (Currently amended) The user interface of claim 1, wherein the content is ~~at least one of~~ local to the mobile device ~~and remotely located~~.

4. (Currently amended) The user interface of claim 1, wherein the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.

5. (Currently amended) The user interface of claim 1, wherein the tile space is divided into a plurality of visually distinct zones.

6. (Currently amended) The user interface of claim 1, wherein the tile space component further comprises~~[[:]]~~ an available tile component that manages a set of available tiles~~[[:]]~~ and a display tile component that manages the plurality of tiles selected from the set of available tiles.

7. (Currently amended) The user interface of claim 6, wherein the ~~tile space component further comprises: a profile component that manages at least one user profile and the plurality of tiles are selected from the set of available tiles based at least in part on the at least one user profile~~ is based upon one or more of a geographic location, time, and date.

8. (Currently amended) The user interface of claim 1, wherein the tile space component further comprises~~[[:]]~~ a tile position component that manages the position of each of the plurality of tiles within the tile space.

9. (Currently amended) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.

10. (Currently amended) The user interface of claim 8, wherein the positioning of the plurality of tiles in the tile space is based at least in part on user input.

11. (Currently amended) A processor-implemented method ~~for providing a user of a mobile device, comprising:~~

a processor generating a customizable display space capable of managing a plurality of dynamically updating tiles;

the processor populating the customizable display space with the plurality of tiles, wherein the plurality of tiles are selected from a set of available tiles based at least in part on at least one user profile; and

displaying a view of the display space on a display screen of a mobile device.

12. (Currently amended) The method of claim 11, further comprising~~[[:]]~~ receiving user input~~[[:]]~~ and the processor navigating through the display space based at least in part on the user input.

13. (Currently amended) The method of claim 12, wherein navigating through the display space comprises~~[[:]]~~ panning through the display space~~[[:]]~~ and selecting an active tile for

display in a summary view.

14. (Currently amended) The method of claim 13, wherein panning through the display space comprises[[:]] wrapping from one edge of the display space to an opposite edge of the display space such that the display space forms a continuous loop.

15. (Currently amended) The method of claim 12, wherein navigating through the display space further comprises[[:]] zooming between different zoom depths within the display space.

16. (Currently amended) The method of claim 11, wherein displaying a view of the display space further comprises[[:]] selecting an active tile from the plurality of tiles[[:]] and displaying an enlarged, summary view of the active tile.

17. (Currently amended) A system comprising a processor and a computer-readable storage medium storing executable instructions that when processed by said processor cause said processor to implement the steps ~~providing an enhanced user interface,~~ comprising:

~~means for~~ generating a customizable tile space capable of managing a plurality of tiles;

~~means for~~ populating the customizable tile space with the plurality of ~~dynamically updating~~ tiles;

selecting one or more tiles from a set of available tiles based at least in part on a user profile;

dynamically updating the plurality of tiles with the one or more selected tiles based at least in part on content of the selected one or more tiles; and

~~means for~~ displaying a view of the tile space.

18. (Currently amended) The system of claim 17, wherein said processor processes said executable instructions to further implement the steps comprising: ~~means for~~ receiving user input; ~~and means for~~ navigating through the tile space based at least in part on the user input.

19. (Currently amended) The system of claim 17, wherein the user profile is based upon one

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or more of a geographic location, time, and date ~~further comprising: means for selecting the plurality of tiles from a set of available tiles based at least in part on a user profile.~~

20. (Currently amended) The system of claim 17, wherein said processor processes said executable instructions to ~~further comprising: means for~~ implement the steps comprising panning through the tile space[[]] and ~~means for~~ selecting a tile from the plurality of tiles for an enlarged view.

REMARKS

Claims 1-20 are pending in the application. Claims 1-20 have been amended for clarity. No claims have been canceled or added. Therefore, claims 1-20 will remain pending in the application after entry of the foregoing claim amendments. Support for the amendments is found in the specification, drawings, and claims as originally filed. Applicants respectfully submit that no new matter has been added.

Drawings

The drawings are objected for including a reference character (108 in Figure 1) that allegedly is not mentioned in the description. However, the reference character, 108 in Figure 1, is mentioned in the specification. See Specification, ¶ 37. Accordingly, withdrawal of the drawing objections is appropriate and is solicited.

Specification

The specification has been amended to correct a typographical error and to cross-reference the related co-pending applications as requested by the examiner. The abstract also has been amended to remove the objectionable language. No new matter has been added by these amendments. Withdrawal of the objections to the specification and abstract are solicited.

Interview Summary

Applicants gratefully acknowledge the time and attention afforded by Examiner Cumming during a telephonic interview on ...

Claim Rejections – 35 U.S.C § 101

Claims 11-20 stand rejected under 35 U.S.C § 101 as allegedly being directed to non-statutory subject matter. (Office Action dated April 21, 2009 (“Office Action”), page 4, ¶ 1). Applicants respectfully traverse the rejections.

Independent claim 11 has been amended to recite that the method is a “processor-implemented” method in which a processor generates a customizable display space and

populates the display space with a plurality of tiles. A display screen of a mobile device displays the view of the display space. Applicants respectfully submit that claims 11-16 are tied to a machine including a processor and a display screen. Accordingly, Applicants respectfully submit that claims 11-16 are directed to statutory subject matter. Applicants respectfully request, therefore, withdrawal of the rejection of claims 11-16 under 35 U.S.C. § 101.

Independent claim 17 has been amended to recite “a system comprising a processor and a computer-readable storage medium storing executable instructions that when processed by said processor cause said processor to implement the claimed steps. As noted in the present specification:

The drives and their associated computer-readable media provide nonvolatile storage of data, data structures, computer-executable instructions, and so forth. Consequently, the tile instructions can be stored using the drives and their associated computer-readable media. For the computer 1402, the drives and media accommodate the storage of any data in a suitable digital format. Although the description of computer-readable media above refers to a HDD, a removable magnetic diskette, and a removable optical media such as a CD or DVD, it should be appreciated by those skilled in the art that other types of media that are readable by a computer, may be used.

(Specification, ¶ [0083])

Claims directed to such a system are believed to be patentable subject matter directed to a system including a processor and instructions that execute on the processor to implement the claimed method. Accordingly, Applicants respectfully submit that claims 17-20 are directed to statutory subject matter. Applicants respectfully request, therefore, withdrawal of the rejection of claims 17-20 under 35 U.S.C. § 101.

Claim Rejections – 35 U.S.C § 102

Claims 1-6 and 8-20 stand rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by Rekimoto et al., U.S. Pat. No. 6,795,060 (hereinafter “Rekimoto”). Applicants respectfully traverse the rejections. Although Applicants believe that the present claims patentably define over Rekimoto, Applicants have amended the claims to further clarify the claimed subject matter.

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PATENT

Applicants have amended the claims to include patentable subject matter from claim 7 as identified by the Examiner. See Office Action, page 7, ¶ 2. Specifically, Applicants have amended claim 1 to include a profile component that manages at least one user profile and to specify that the plurality of tiles are selected from a set of available tiles based at least in part on the at least one user profile. The cited portions of Rekimoto fail to disclose or suggest the specific combination of claim 1 as amended.

Accordingly, Applicants respectfully submit that claim 1 patentably defines over Rekimoto. As claims 2-10 depend from claim 1, Applicants further submit that claims 2-10 patentably define over Rekimoto at least by virtue of their dependence from claim 1.

The subject matter of claim 1 discussed above is similarly recited in independent claims 11 and 17. Therefore, Applicants respectfully submit that claims 11 and 17 patentably define over Rekimoto for at least the same reasons as claim 1. As claims 12-16 and 18-20 respectively depend from claims 11 and 17, Applicants further submit that claims 12-16 and 18-20 patentably define over Rekimoto at least by virtue of their dependence from claims 11 and 17, respectively.

Additionally, claims 7 and 19, as amended, recite features that are not disclosed or suggested by the cited portions of Rekimoto. For example, the cited portions of Rekimoto fail to disclose or suggest that the user profile is based upon one or more of a geographic location, time, and date. Applicants respectfully submit that claims 7 and 19 patentably define over Rekimoto for at least these additional reasons.

Accordingly, for at least the foregoing reasons, Applicants respectfully request withdrawal of the rejection of claims 1-6 and 8-20 under 35 U.S.C. § 102(b).

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CONCLUSION

In view of the foregoing, Applicants respectfully submit that the claims are allowable and that the present application is in condition for allowance. Entry of the above amendments, reconsideration of the application and a Notice of Allowance are respectfully requested. In the event that the Examiner cannot allow the present application for any reason, the Examiner is encouraged to contact the undersigned attorney, Michael P. Dunnam, at (215) 564-8962 to discuss the resolution of any remaining issues.

Date: July 24, 2009

/Michael P. Dunnam/
Michael P. Dunnam
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Electronic Patent Application Fee Transmittal

Application Number:	11424733
Filing Date:	16-Jun-2006
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Filer:	Michael Paul Dunnam/Denise Marvel
Attorney Docket Number:	MS315063.01/MSFTP1355US

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with \$0 paid	1251	1	130	130

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				130

Electronic Acknowledgement Receipt

EFS ID:	5762850
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	27195
Filer:	Michael Paul Dunnam/Denise Marvel
Filer Authorized By:	Michael Paul Dunnam
Attorney Docket Number:	MS315063.01/MSFTP1355US
Receipt Date:	24-JUL-2009
Filing Date:	16-JUN-2006
Time Stamp:	10:43:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$130
RAM confirmation Number	6735
Deposit Account	233050
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

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Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	Transmittal.pdf	276684 f28e6764a9db940360da0b5c629a8a5a84c bbbb7	no	2

Warnings:

Information:

2	Extension of Time	Extension.pdf	322101 a2914b99afdd2698e2d94110bfd520cecef 7d0	no	2
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Warnings:

Information:

3		Response.pdf	107918 36dce7ac3c2b6da35710542b41bcd9d28 7e6bd1	yes	11
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Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Abstract	2	2
Specification	3	3
Claims	4	7
Applicant Arguments/Remarks Made in an Amendment	8	11

Warnings:

Information:

4	Fee Worksheet (PTO-875)	fee-info.pdf	30371 e3364c1f0bbb1feb89312cf96d5cb0fd6403 6b1e	no	2
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Warnings:

Information:

Total Files Size (in bytes):

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/424,733
	Filing Date	June 16, 2006
	First Named Inventor	David Wayne Flynt
	Art Unit	2617
	Examiner Name	William D. Cumming
Total Number of Pages in This Submission	15	Attorney Docket Number MSFT-6512

ENCLOSURES (Check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):		
<table border="1" style="width: 100%;"> <tr> <td style="width: 100px;">Remarks</td> <td></td> </tr> </table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Woodcock Washburn LLP		
Signature	/Michael P. Dunnam/		
Printed name	Michael P. Dunnam		
Date	July 24, 2009	Reg. No.	32611

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

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The information provided by you in this form will be subject to the following routine uses:

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2009 <i>(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)</i>		Docket Number (Optional) MST-6512	
Application Number 11/424,733		Filed June 16, 2006	
For TILE SPACE USER INTERFACE FOR MOBILE DEVICES			
Art Unit 2617		Examiner William D. Cumming	
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.			
The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):			
		<u>Fee</u>	<u>Small Entity Fee</u>
<input checked="" type="checkbox"/>	One month (37 CFR 1.17(a)(1))	\$130	\$65 \$ <u>130</u>
<input type="checkbox"/>	Two months (37 CFR 1.17(a)(2))	\$490	\$245 \$ _____
<input type="checkbox"/>	Three months (37 CFR 1.17(a)(3))	\$1110	\$555 \$ _____
<input type="checkbox"/>	Four months (37 CFR 1.17(a)(4))	\$1730	\$865 \$ _____
<input type="checkbox"/>	Five months (37 CFR 1.17(a)(5))	\$2350	\$1175 \$ _____
<input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27.		
<input type="checkbox"/>	A check in the amount of the fee is enclosed.		
<input type="checkbox"/>	Payment by credit card. Form PTO-2038 is attached.		
<input type="checkbox"/>	The Director has already been authorized to charge fees in this application to a Deposit Account.		
<input checked="" type="checkbox"/>	The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>233050</u> .		
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
I am the	<input type="checkbox"/>	applicant/inventor.	
	<input type="checkbox"/>	assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).	
	<input checked="" type="checkbox"/>	attorney or agent of record. Registration Number <u>32611</u>	
	<input type="checkbox"/>	attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____	
<u>/Michael P. Dunnam/</u>		<u>July 24, 2009</u>	
Signature		Date	
<u>Michael P. Dunnam</u>		<u>215-568-3100</u>	
Typed or printed name		Telephone Number	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input type="checkbox"/>	Total of _____ forms are submitted.		

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/424,733	Filing Date 06/16/2006	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	SMALL ENTITY <input type="checkbox"/>	OR		
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
<input checked="" type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A	300
<input checked="" type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A		N/A	500
<input checked="" type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A	200
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	20 minus 20 =	* 0	X \$ =		OR	X \$50 =
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	3 minus 3 =	* 0	X \$ =			X \$200 =
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>						
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	1000

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR		
AMENDMENT	07/24/2009	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	<small>Total (37 CFR 1.16(i))</small>	* 20	Minus ** 20	= 0	X \$ =		OR	X \$52=
	<small>Independent (37 CFR 1.16(h))</small>	* 3	Minus ***3	= 0	X \$ =		OR	X \$220=
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE
							OR	0

APPLICATION AS AMENDED – PART II					OTHER THAN SMALL ENTITY			
	(Column 1)	(Column 2)	(Column 3)		SMALL ENTITY	OR		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	<small>Total (37 CFR 1.16(i))</small>	*	Minus **	=	X \$ =		OR	X \$ =
	<small>Independent (37 CFR 1.16(h))</small>	*	Minus ***	=	X \$ =		OR	X \$ =
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>						OR	
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>						OR	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE
							OR	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
 /THERESA LINDSAY/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
11/424,733 06/16/2006 David Wayne Flynt MS315063.01/MSFTP1355US 8082

27195 7590 04/21/2009
TUROCY & WATSON, LLP
127 Public Square
57th Floor, Key Tower
CLEVELAND, OH 44114

EXAMINER

CUMMING, WILLIAM D

ART UNIT PAPER NUMBER

2617

NOTIFICATION DATE DELIVERY MODE

04/21/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

- doctet1@thepatentattorneys.com
hholmes@thepatentattorneys.com
lpasterchek@thepatentattorneys.com

Office Action Summary	Application No. 11/424,733	Applicant(s) FLYNT ET AL.	
	Examiner WILLIAM D. CUMMING	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-6 and 8-20 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 16 June 2006 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. ____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description:

In figure 1, #108.

2. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

4. The disclosure is objected to because of the following informalities:

All copending application must be identified by their application number.

Appropriate correction is required.

5. Applicants are reminded of the proper language and format for an abstract of the disclosure.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

6. The abstract of the disclosure is objected to because of implied phrases..

Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 101

7. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

8. Claims 11-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Regarding claims 11-16, A 35 USC § 101 process must (1) be tied to another statutory class (such as a particular apparatus) or (2) transform underlying subject matter (such as an article or materials) to a different state or thing. If neither of these requirements is met by the claim, the method is not a patent eligible process under 35 USC § 101 and should be rejected as being directed to non-statutory subject matter. Thus, to qualify as a 35 USC § 101 statutory process, the claim should positively recite the other statutory class (the thing or product) to which it is tied, for example by identifying the apparatus that accomplishes the method steps, or positively recite the subject matter that is being transformed, for example by identifying the material that is being changed to a different state. *Diamondv. Diehr*, 450 U.S. 175, 184 (1981); *Parker v. Flook*, 437 U.S. 584, 588 n.9 (1978); *Gottschalk v. Benson*, 409 U.S. 63, 70 (1972); *Cochrane v. Deener*, 94 U.S. 780,787-88 (1876). *In re Bilski*, 88 USPQ2d 1385 (Fed. Cir. 2008)

Regarding claims 17-20, the specification states that the means can be "...a thread of execution, a program,..." hence the claims are claiming computer programs *per se*, i.e., the descriptions or expressions of the programs, are not physical "*things*." They are neither computer components nor statutory processes, as they are not "*acts*" being performed. Such claimed computer programs do not define any structural and functional interrelationships between the computer program and other claimed elements of a computer which permit the computer program's functionality to be realized.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

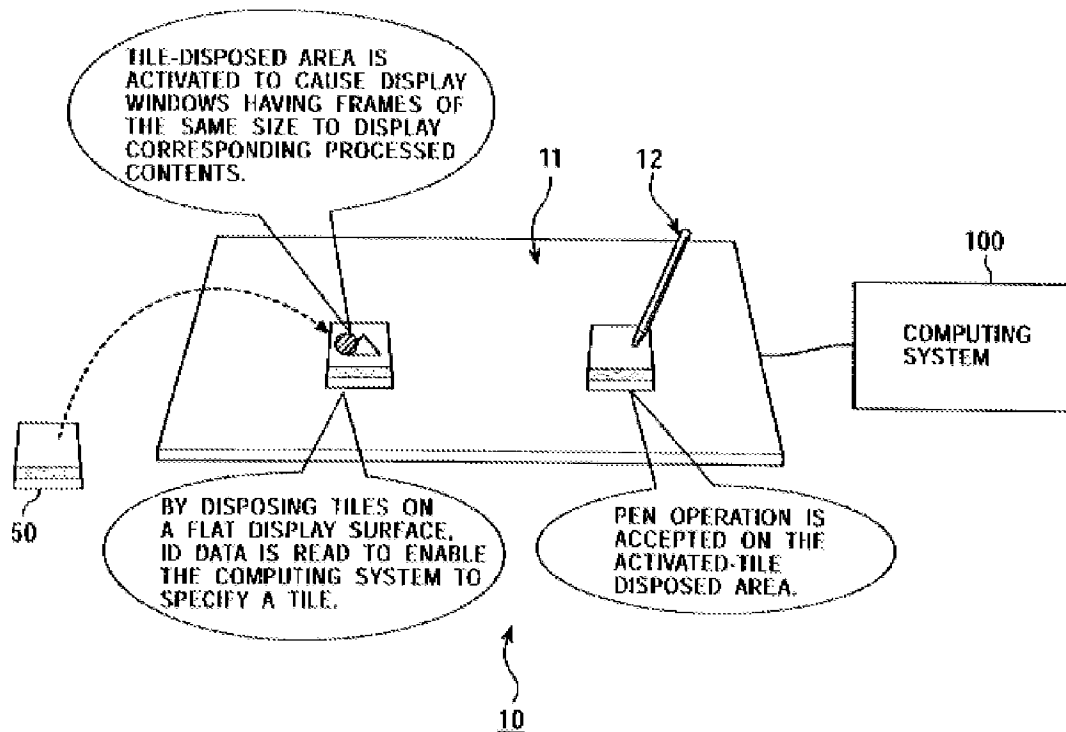
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1-6, 8-20 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by **Rekimoto, et al.**

Rekimoto, et al discloses an user interface for a mobile device (column 28, lines 46-53) facilitating surfacing of content available through the mobile device, comprising an interface component that obtains the content (figure 1, #100, 11). A tile space (#50) component that manages a plurality of tiles (figure 8) dynamically updated based at least in part on the content and positioned within a tile space and

a display (#11) component that displays a view of the tile space. The plurality of tiles includes an application tile that provides a link to a software application (figures 18-23). The content is at least one of local to the mobile device and remotely located (figure 24). The plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications (figure 25). The tile space is divided into a plurality of visually distinct zones. (figures 18-23 and 25). An available tile component that manages a set of available tiles and a display tile component that manages the plurality of tiles selected from the set of available tiles (figure 25.)

FIG. 1



Allowable Subject Matter

11. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

12. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

13. If applicants wish to request for an interview, an "*Applicant Initiated Interview Request*" form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed "*Applicant Initiated Interview Request*" form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM D. CUMMING whose telephone number is 571-272-7861. The examiner can normally be reached on Tuesday- Friday, 11:00am-8:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 571-272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit 2617



UNITED STATES
PATENT AND
TRADEMARK OFFICE

WILLIAM CUMMING
PRIMARY PATENT EXAMINER
william.cumming@uspto.gov

Notice of References Cited	Application/Control No. 11/424,733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.	
	Examiner WILLIAM D. CUMMING	Art Unit 2617	Page 1 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,349,174 A	09-1994	Van Berkel et al.	250/208.1
*	B	US-5,452,474 A	09-1995	Kagawa, Tetsuya	455/569.1
*	C	US-5,491,495 A	02-1996	Ward et al.	345/173
*	D	US-6,044,153 A	03-2000	Kaschke, Kevin D.	379/433.01
*	E	US-6,118,426 A	09-2000	Albert et al.	345/107
*	F	US-6,243,074 B1	06-2001	Fishkin et al.	345/156
*	G	US-6,243,075 B1	06-2001	Fishkin et al.	345/156
*	H	US-6,252,564 B1	06-2001	Albert et al.	345/1.3
*	I	US-6,268,857 B1	07-2001	Fishkin et al.	715/863
*	J	US-6,297,805 B1	10-2001	Adler et al.	345/158
*	K	US-6,297,838 B1	10-2001	Chang et al.	715/863
*	L	US-6,340,957 B1	01-2002	Adler et al.	345/1.3
*	M	US-6,459,418 B1	10-2002	Comiskey et al.	345/107

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,577,714 B1	06-2003	Darcie et al.	379/93.17
*	B	US-6,630,922 B2	10-2003	Fishkin et al.	345/156
*	C	US-6,639,578 B1	10-2003	Comiskey et al.	345/107
*	D	US-6,724,403 B1	04-2004	Santoro et al.	715/765
*	E	US-6,746,065 B1	06-2004	Chan, Tak	296/24.34
*	F	US-6,795,060 B2	09-2004	Rekimoto et al.	345/173
*	G	US-6,801,811 B2	10-2004	Ranganathan et al.	700/22
*	H	US-6,825,829 B1	11-2004	Albert et al.	345/107
*	I	US-6,872,200 B2	03-2005	Mann et al.	604/890.1
*	J	US-6,873,329 B2	03-2005	Cohen et al.	345/501
*	K	US-7,027,040 B2	04-2006	Rekimoto et al.	345/173
*	L	US-7,028,264 B2	04-2006	Santoro et al.	715/765
*	M	US-7,047,276 B2	05-2006	Liu et al.	709/201

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U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
*	A	US-7,053,893 B1	05-2006	Molnar et al.	345/426
*	B	US-7,053,904 B1	05-2006	Kirk et al.	345/531
*	C	US-7,082,578 B1	07-2006	Fishkin et al.	715/863
*	D	US-7,091,927 B1	08-2006	Hagge et al.	345/1.3
*	E	US-7,109,878 B2	09-2006	Mann et al.	340/654
*	F	US-7,139,003 B1	11-2006	Kirk et al.	345/531
*	G	US-7,158,682 B2	01-2007	Sano, Yutaka	382/236
*	H	US-7,158,878 B2	01-2007	Rasmussen et al.	701/208
*	I	US-7,195,244 B1	03-2007	Feola, John	273/292
*	J	US-7,240,327 B2	07-2007	Singh et al.	717/108
*	K	US-7,283,135 B1	10-2007	Cote et al.	345/428
*	L	US-7,308,147 B2	12-2007	Sano, Yutaka	382/236
*	M	US-7,315,259 B2	01-2008	Sacks, Josh	340/995.1

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U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-7,325,806 B1	02-2008	Feola, John	273/292
*	B US-7,376,907 B2	05-2008	Santoro et al.	715/765
*	C US-7,379,811 B2	05-2008	Rasmussen et al.	701/208
*	D US-7,435,998 B2	10-2008	Kondo, Takayuki	257/98
*	E US-7,437,566 B2	10-2008	Moore et al.	713/182
*	F US-7,451,987 B1	11-2008	Feola, John	273/292
*	G US-7,481,434 B1	01-2009	Feola, John	273/292
*	H US-7,483,905 B2	01-2009	Gauweiler, Thomas	707/101
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			


FOREIGN PATENT DOCUMENTS

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Index of Claims 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
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CLAIM		DATE							
Final	Original	04/15/2009							
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	2	+							
	3	+							
	4	+							
	5	+							
	6	+							
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	14	✓							
	15	✓							
	16	✓							
	17	✓							
	18	✓							
	19	✓							
	20	✓							

Search Notes 	Application/Control No. 11424733	Applicant(s)/Patent Under Reexamination FLYNT ET AL.
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	564, 569.1	4/15/09	wdc
345	156, 173, 358, 428	4/15/09	wdc
379	93.17	4/15/09	wdc
273	292	4/15/09	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		11424733	
	Filing Date		2006-06-16	
	First Named Inventor	David Wayne Flynt		
	Art Unit		2859	
	Examiner Name	Unknown		
	Attorney Docket Number		MS315063.01/MSFTP1355US	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	5855006		1998-12-29	Huemoeller, et al.		
	2	7082409		2006-07-25	Cherry		
	3	6574624		2003-06-03	Johnson, et al.		
	4	5855015		1998-12-29	Shoham		

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	2	20030100315	A1	2003-05-29	Rankin		

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3	20040142720	A1	2004-07-22	Smethers	
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5	20050228780	A1	2005-10-13	Diab, et al.	
6	20050262062	A1	2005-11-24	Xia	
7	20050160076	A1	2005-07-21	Kanemasa	
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11424733, CAU: 2617

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	2	20050240592	A1	2005-10-27	Mamou, et al.		
	3	20040250217	A1	2004-12-09	Tojo, et al.		
	4	20040260692	A1	2004-12-23	Brill, et al.		
	5	20040203656	A1	2004-10-14	Andrew, et al.		

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9	20030158839	A1	2003-08-21	Faybishenko, et al.	
10	20020143755	A1	2002-10-03	Wynblatt, et al.	
11	20020133488	A1	2002-09-19	Bellis, et al.	
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Examiner Name	Unknown		
Attorney Docket Number	MS315063.01/MSFTP1355US		

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Signature	/Himanshu S. Amin/	Date (YYYY-MM-DD)	2009-02-05
Name/Print	Himanshu S. Amin	Registration Number	40894

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Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	27195
Filer:	Himanshu Amin/Jessica Sexton
Filer Authorized By:	Himanshu Amin
Attorney Docket Number:	MS315063.01/MSFTP1355US
Receipt Date:	05-FEB-2009
Filing Date:	16-JUN-2006
Time Stamp:	12:09:33
Application Type:	Utility under 35 USC 111(a)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	11424733
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	First Named Inventor	David Wayne Flynt
	Art Unit	2859
	Examiner Name	Unknown
	Attorney Docket Number	MS315063.01/MSFTP1355US

NON-PATENT LITERATURE DOCUMENTS			Remove
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	11424733		
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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Himanshu S. Amin/	Date (YYYY-MM-DD)	2008-06-13
Name/Print	Himanshu S. Amin	Registration Number	40894

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	3451968
Application Number:	11424733
International Application Number:	
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David Wayne Flynt
Customer Number:	27195
Filer:	Himanshu Amin/Jessica Sexton
Filer Authorized By:	Himanshu Amin
Attorney Docket Number:	MS315063.01/MSFTP1355US
Receipt Date:	13-JUN-2008
Filing Date:	16-JUN-2006
Time Stamp:	12:13:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed	US_IDS_Form__SB_08a.pdf	1019088 36dfe7c39e507c405932f4a71570f9ca557bf5e5	no	5

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/424,733	06/16/2006	David Wayne Flynt	MS315063.01/MSFTP1355US

CONFIRMATION NO. 8082

27195
AMIN, TUROCY & CALVIN, LLP
24TH FLOOR, NATIONAL CITY CENTER
1900 EAST NINTH STREET
CLEVELAND, OH44114

Title: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

Publication No. US-2007-0082707-A1

Publication Date: 04/12/2007

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 703-305-3028.

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I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being submitted *via* the USPTO EFS Filing System; Mail Stop Amendment; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.

Date: August 11, 2006

/Christina M. Padamonsky/
Christina M. Padamonsky

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Applicants: David Wayne Flynt *et al.*

Examiner: Unknown

Serial No: 11/424,733

Art Unit: 2859

Filing Date: June 16, 2006

Title: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450**

PRELIMINARY AMENDMENT

Dear Sir:

Entry of this preliminary amendment is respectfully requested prior to performing substantive examination of the above-identified patent application.

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0001] with the following amended paragraph:

This is an application claiming benefit under 35 U.S.C. 119(e) of U.S. Provisional Patent application Serial No. 60/718,187 entitled “ENHANCED PORTABLE DEVICE NAVIGATION TOOLS” and filed September 16, 2005. This application is also related to co-pending U.S. Patent Application Serial No. 11/424,720_____, (Atty. Docket No. MS315059.01/MSFTP1352US), entitled, “SEARCH INTERFACE FOR MOBILE DEVICES”, and filed June 16, 2006_____; U.S. Patent Application Serial No. 11/424,713_____, (Atty. Docket No. MS315060.01/MSFTP1309US), entitled, “EXTENSIBLE, FILTERED LISTS FOR MOBILE DEVICE USER INTERFACE”, and filed June 16, 2006_____; and U.S. Patent Application Serial No. 11/424,706_____, (Atty. Docket No. MS315061.01/MSFTP1354US), entitled, “CONTENT SHARING USER INTERFACE FOR MOBILE DEVICES”, and filed June 16, 2006_____. The entireties of the above-noted applications are incorporated by reference herein.

REMARKS

The specification has been amended herein to insert the serial numbers and filing dates of the related applications.

In the event any fees are due in connection with this document, the Commissioner is authorized to charge those fees to Deposit Account No. 50-1063 [MSFTP1355US]. Should the Examiner believe a telephone interview would be helpful to expedite favorable prosecution, the Examiner is invited to contact applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

AMIN, TUROCY & CALVIN, LLP

/Himanshu S. Amin/

Himanshu S. Amin

Reg. No. 40,894

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Facsimile (216) 696-8731

Electronic Acknowledgement Receipt

EFS ID:	1150752
Application Number:	11424733
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor:	David Wayne Flynt
Customer Number:	27195
Filer:	Himanshu Amin/Chris Padamonsky
Filer Authorized By:	Himanshu Amin
Attorney Docket Number:	MS315063.01/MSFTP1355US
Receipt Date:	11-AUG-2006
Filing Date:	16-JUN-2006
Time Stamp:	11:51:31
Application Type:	Utility
International Application Number:	

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part	Pages
1		MS315063-01_Preliminary-A mendment.pdf	85057	yes	3

Multipart Description			
Doc Desc	Start	End	
Preliminary Amendment	1	1	
Specification	2	2	
Applicant Arguments/Remarks Made in an Amendment	3	3	

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Total Files Size (in bytes):

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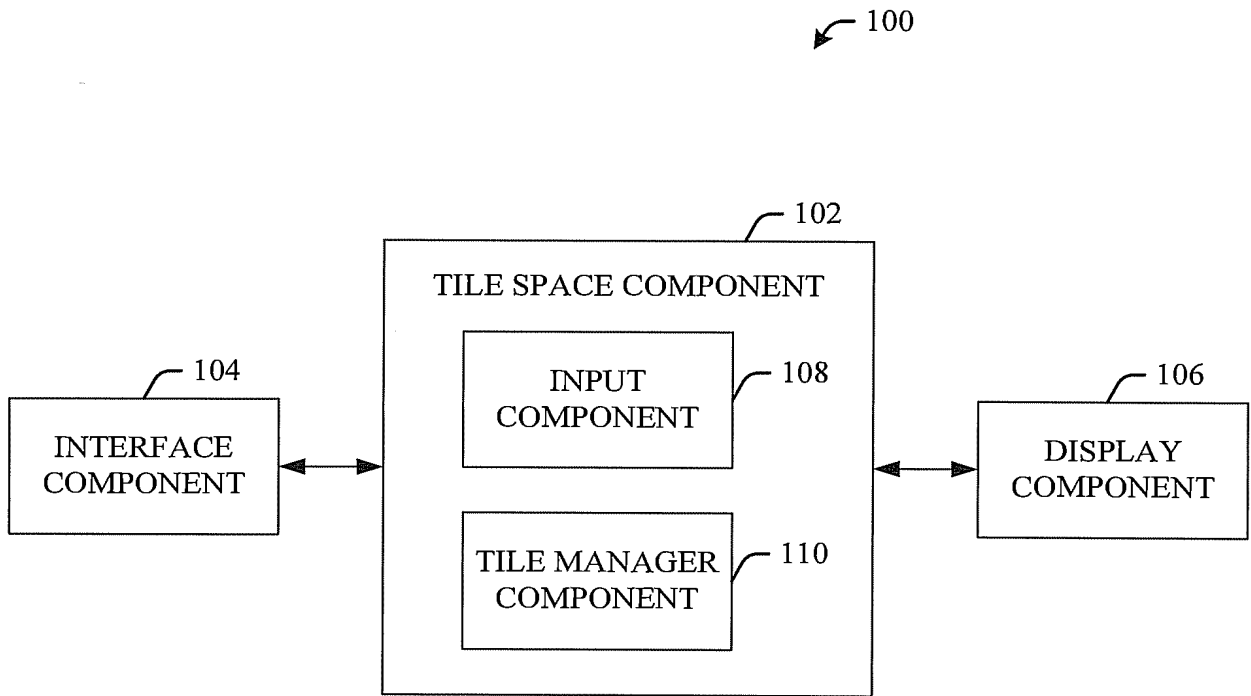


FIG. 1

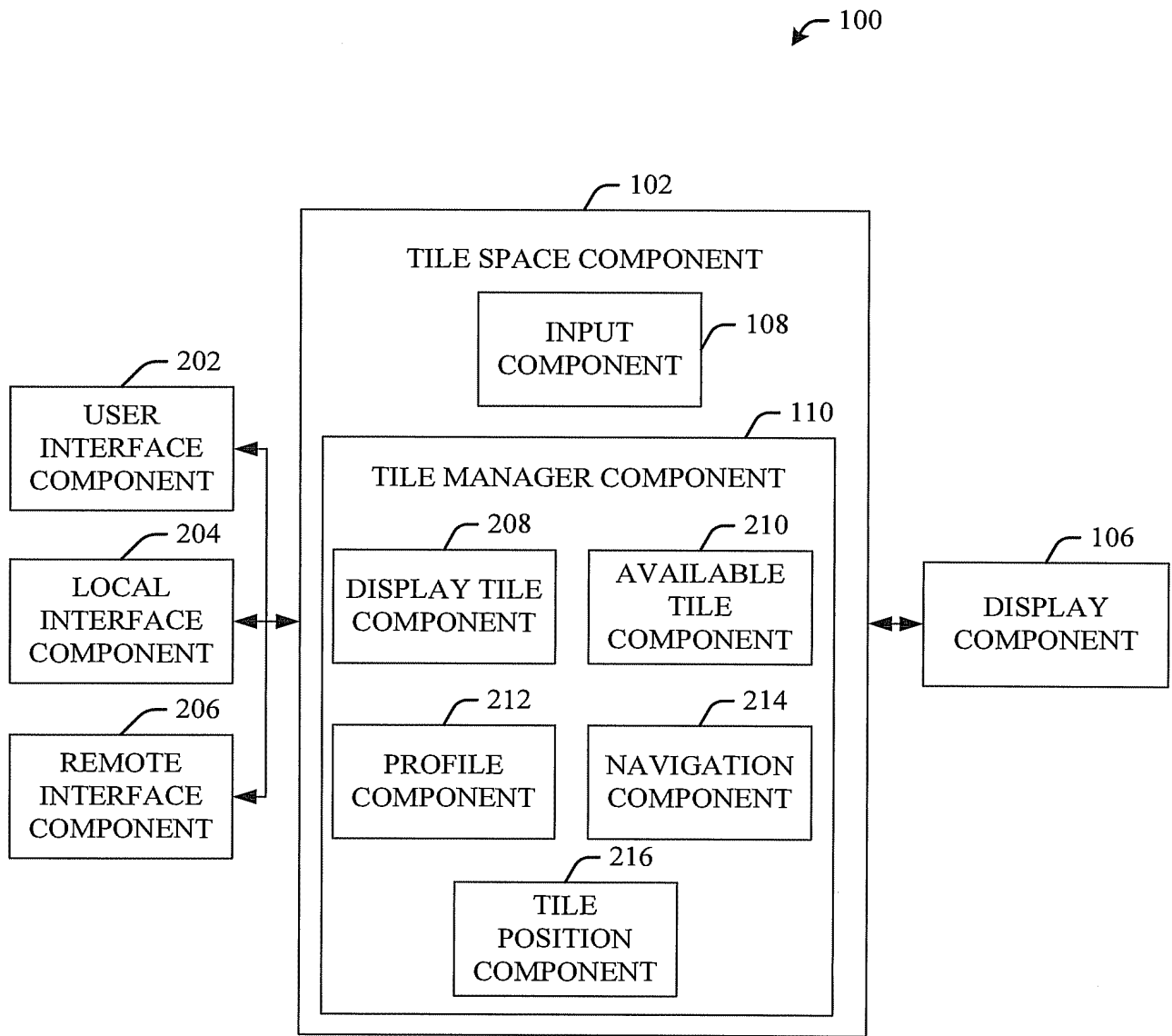


FIG. 2

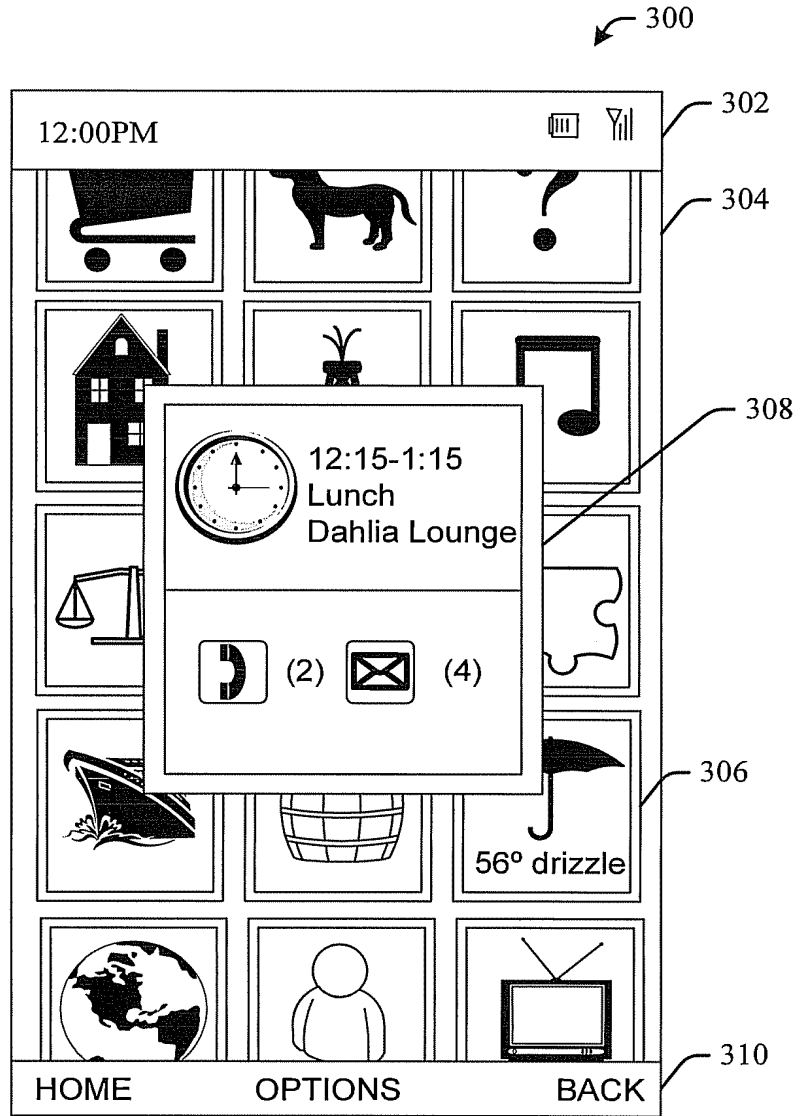


FIG. 3

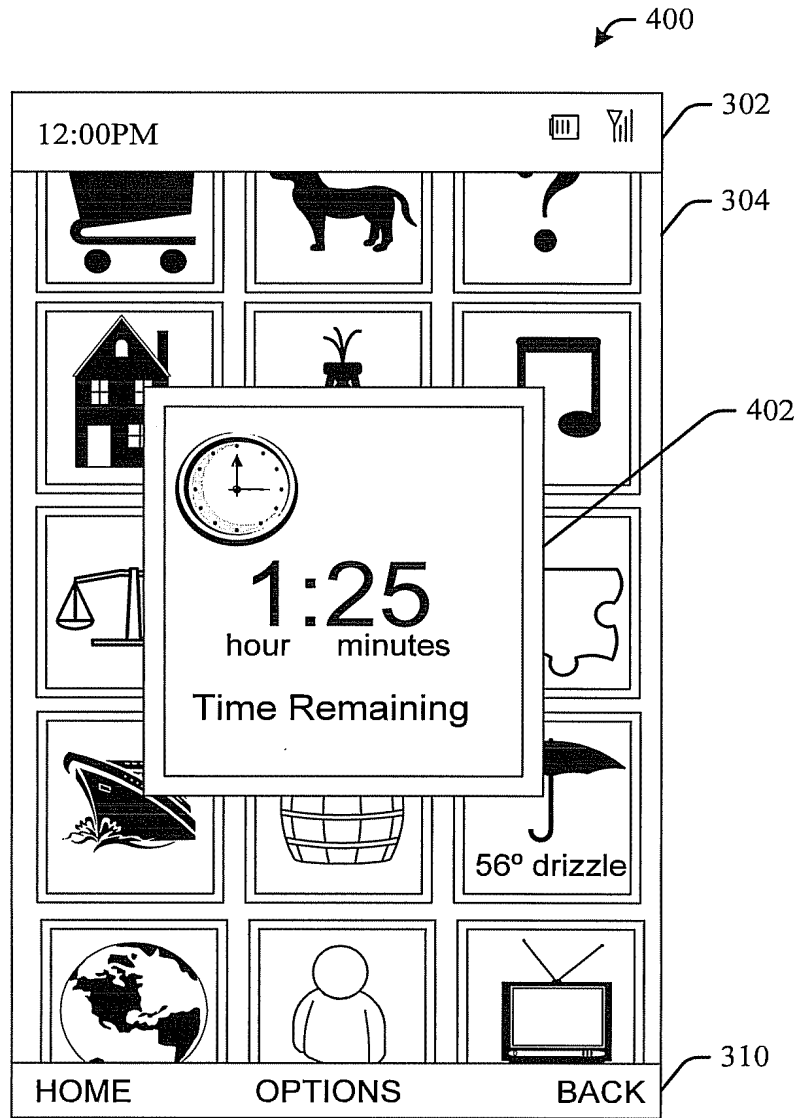


FIG. 4

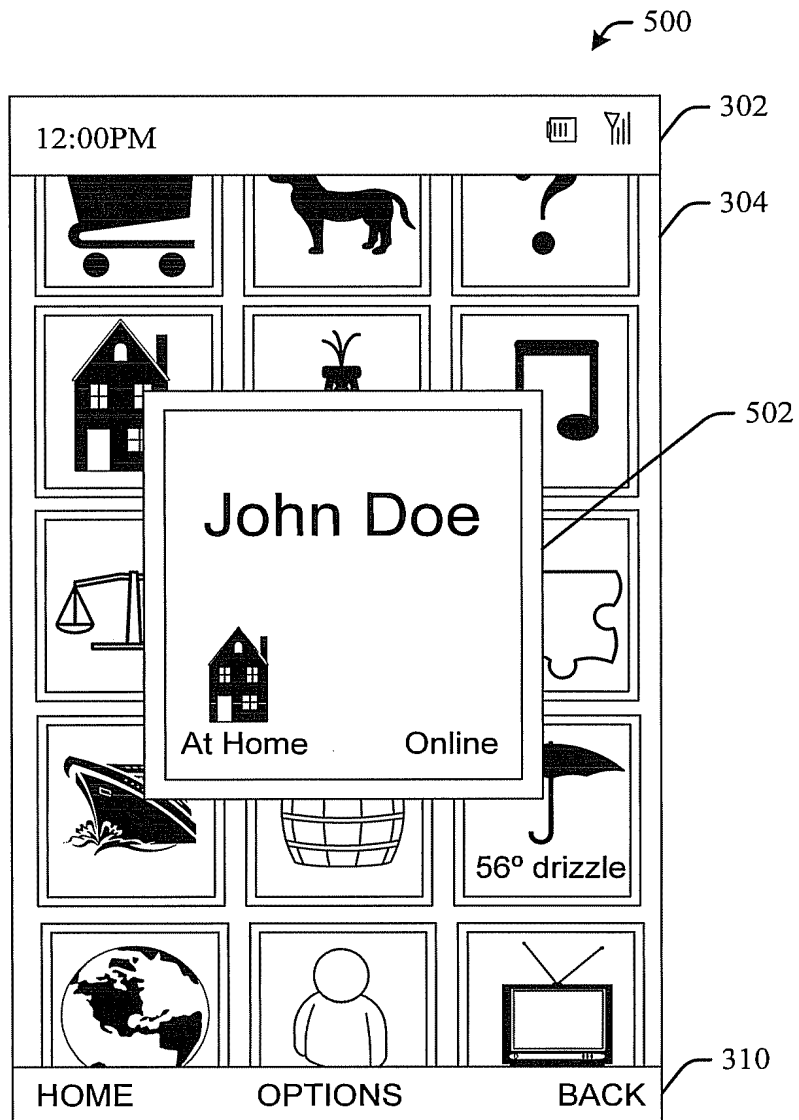


FIG. 5

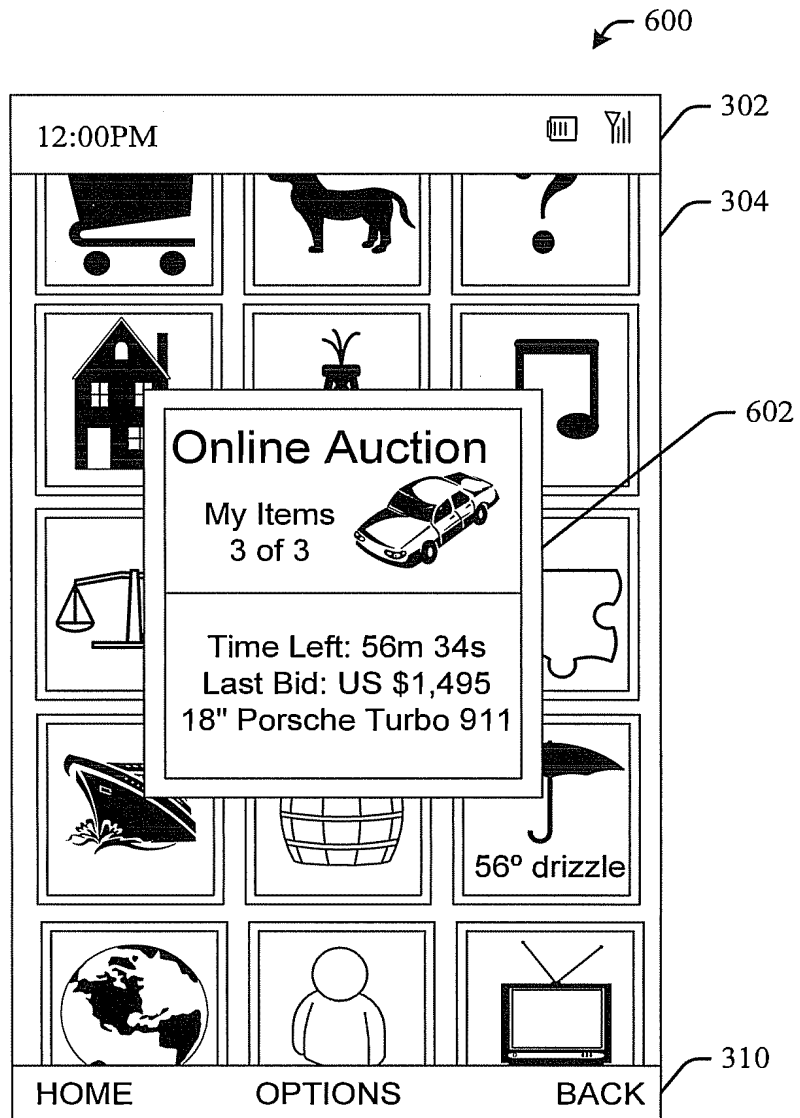


FIG. 6

7/15

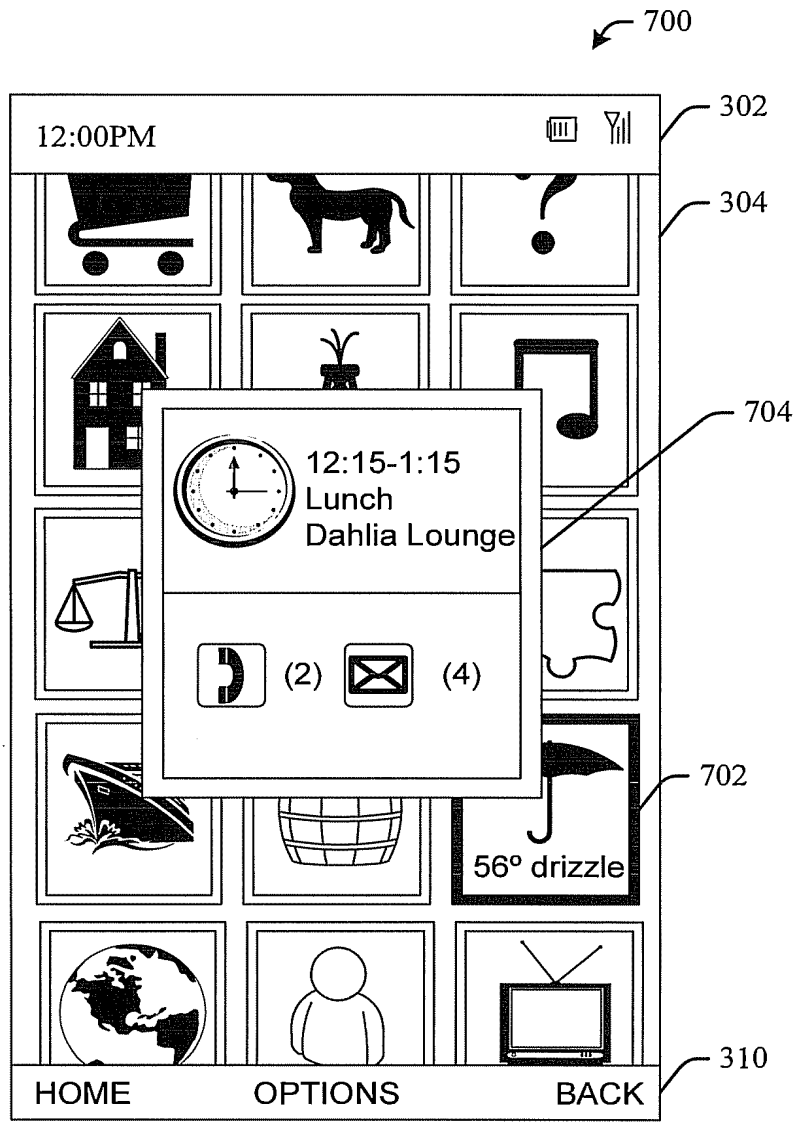


FIG. 7

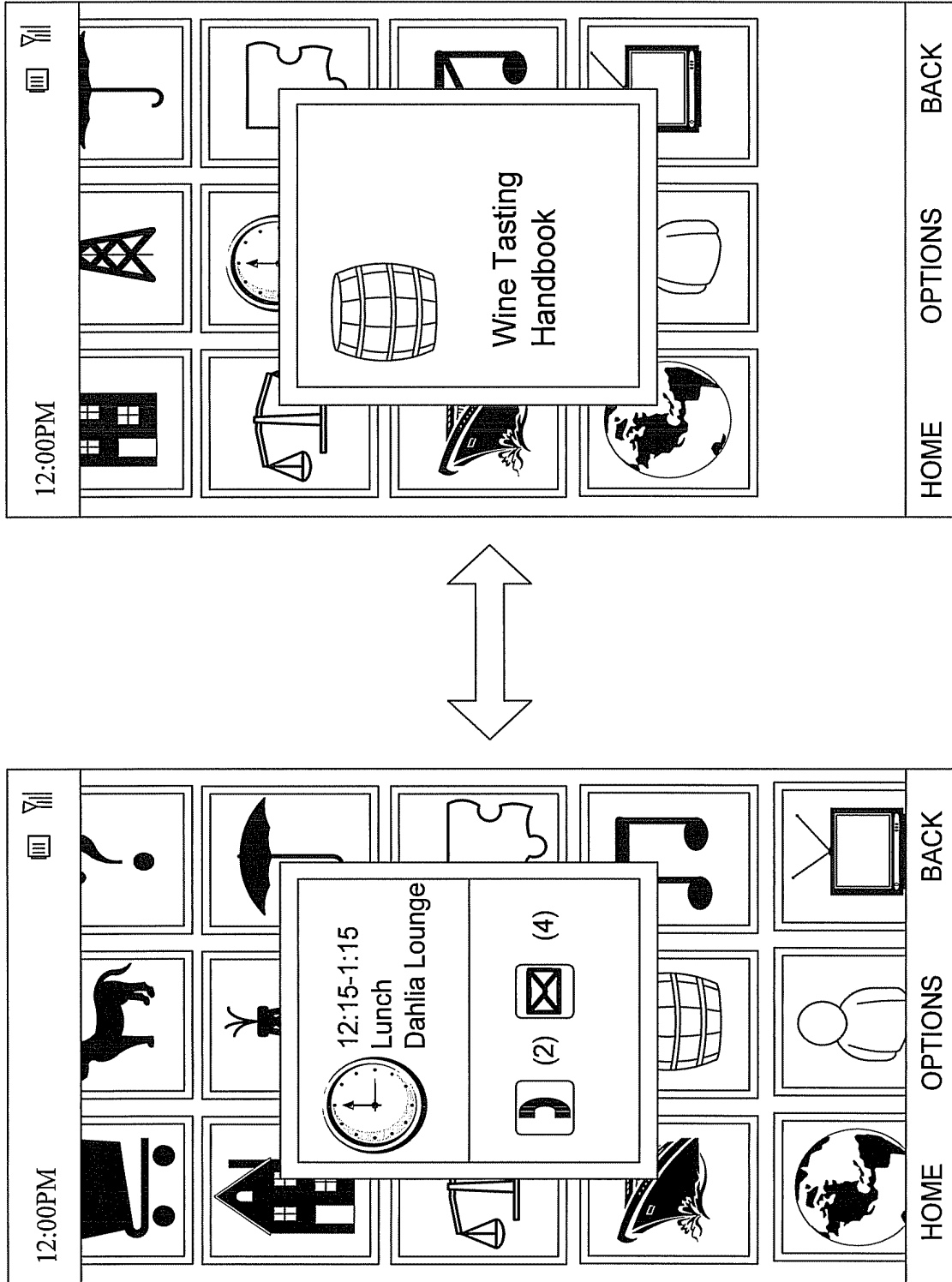


FIG. 8



FIG. 9

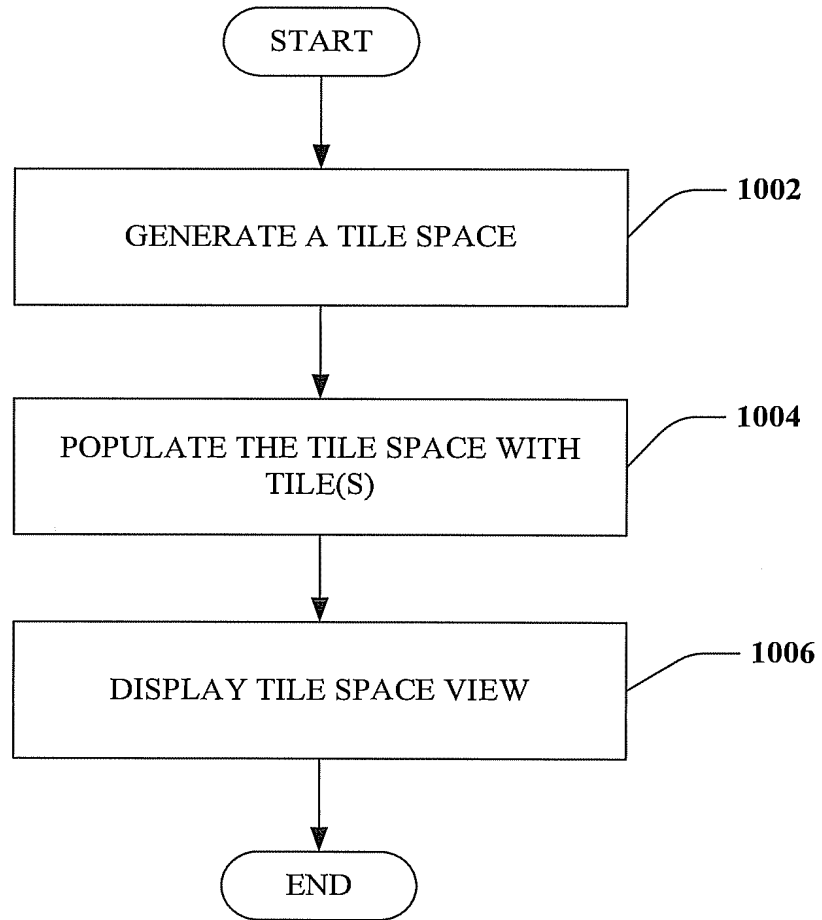


FIG. 10

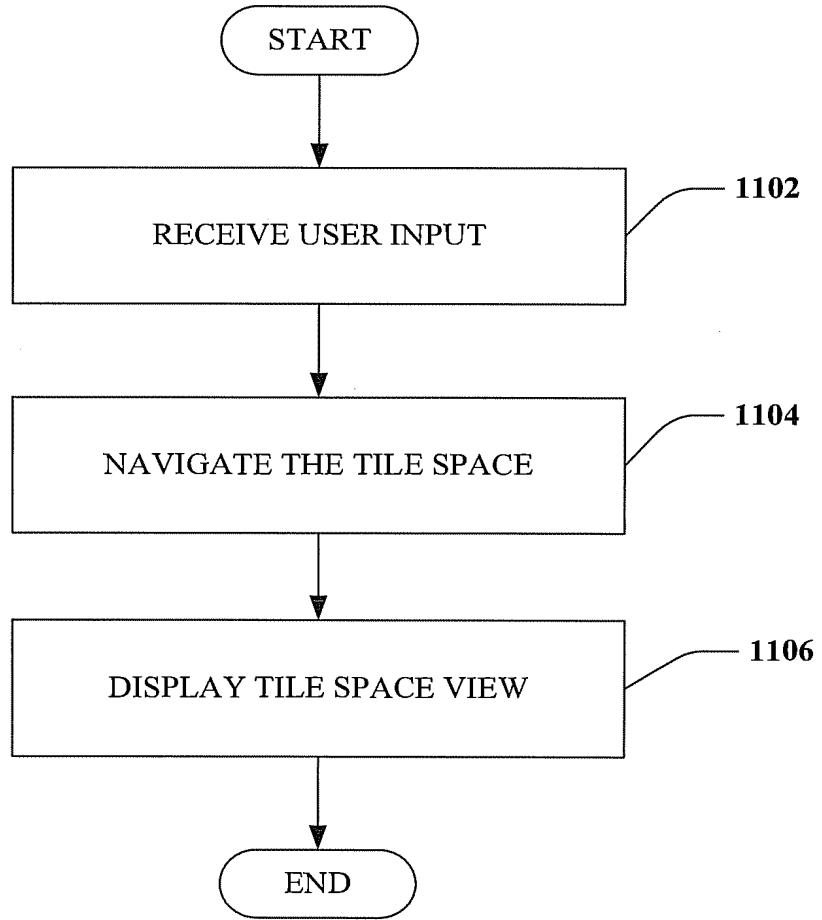


FIG. 11

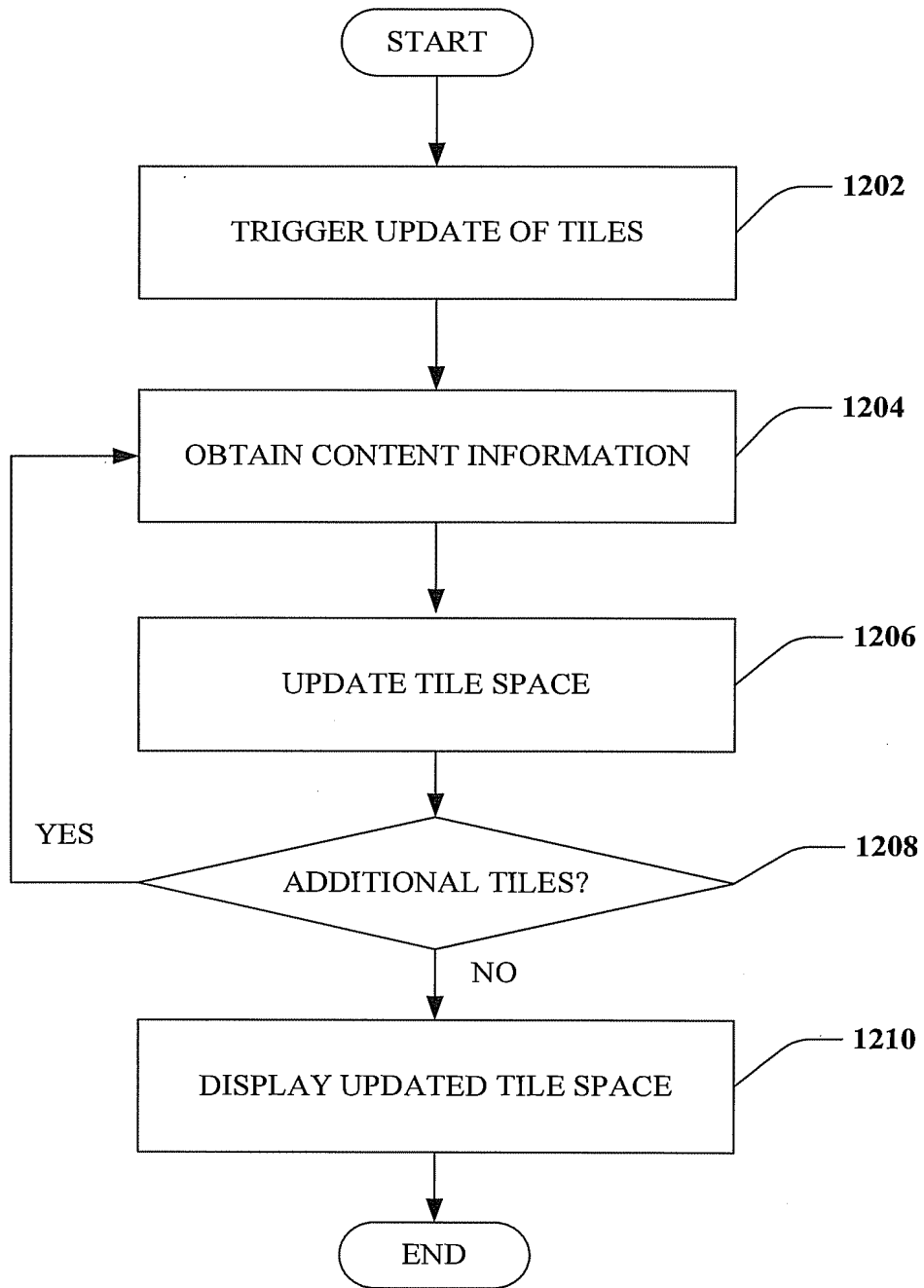


FIG. 12

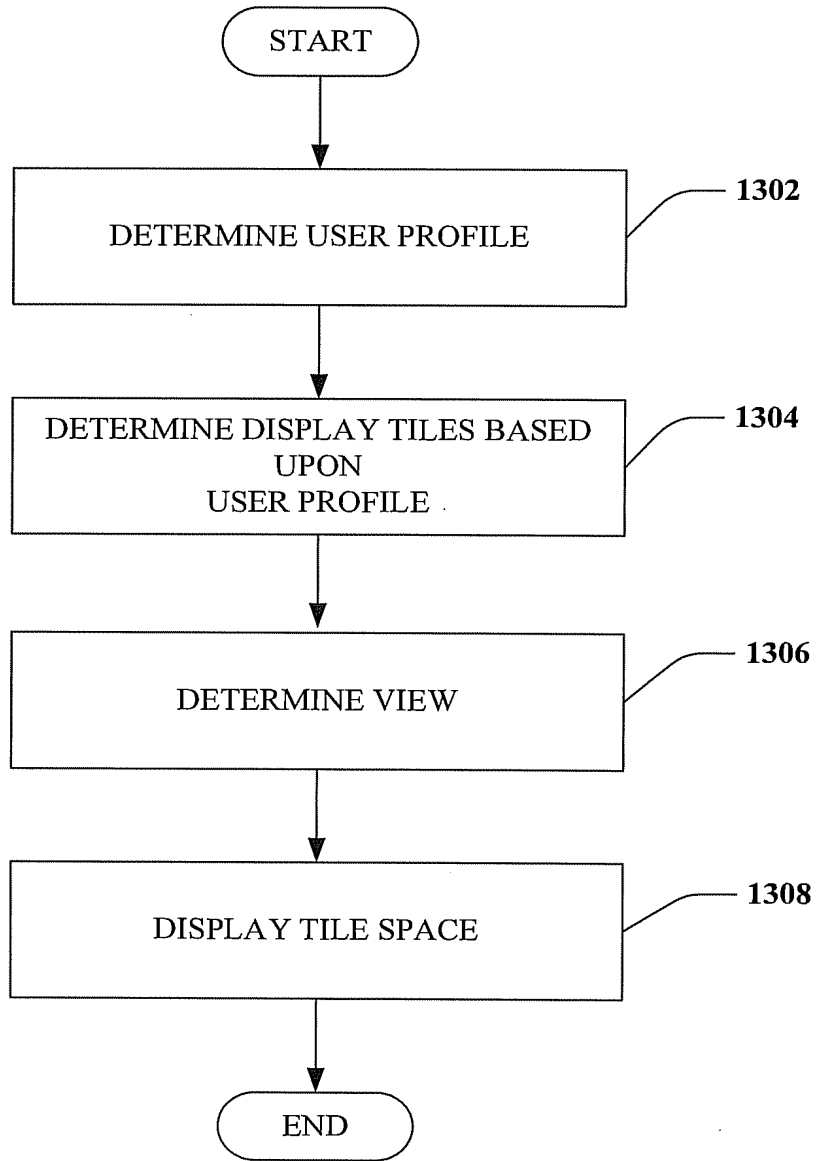


FIG. 13

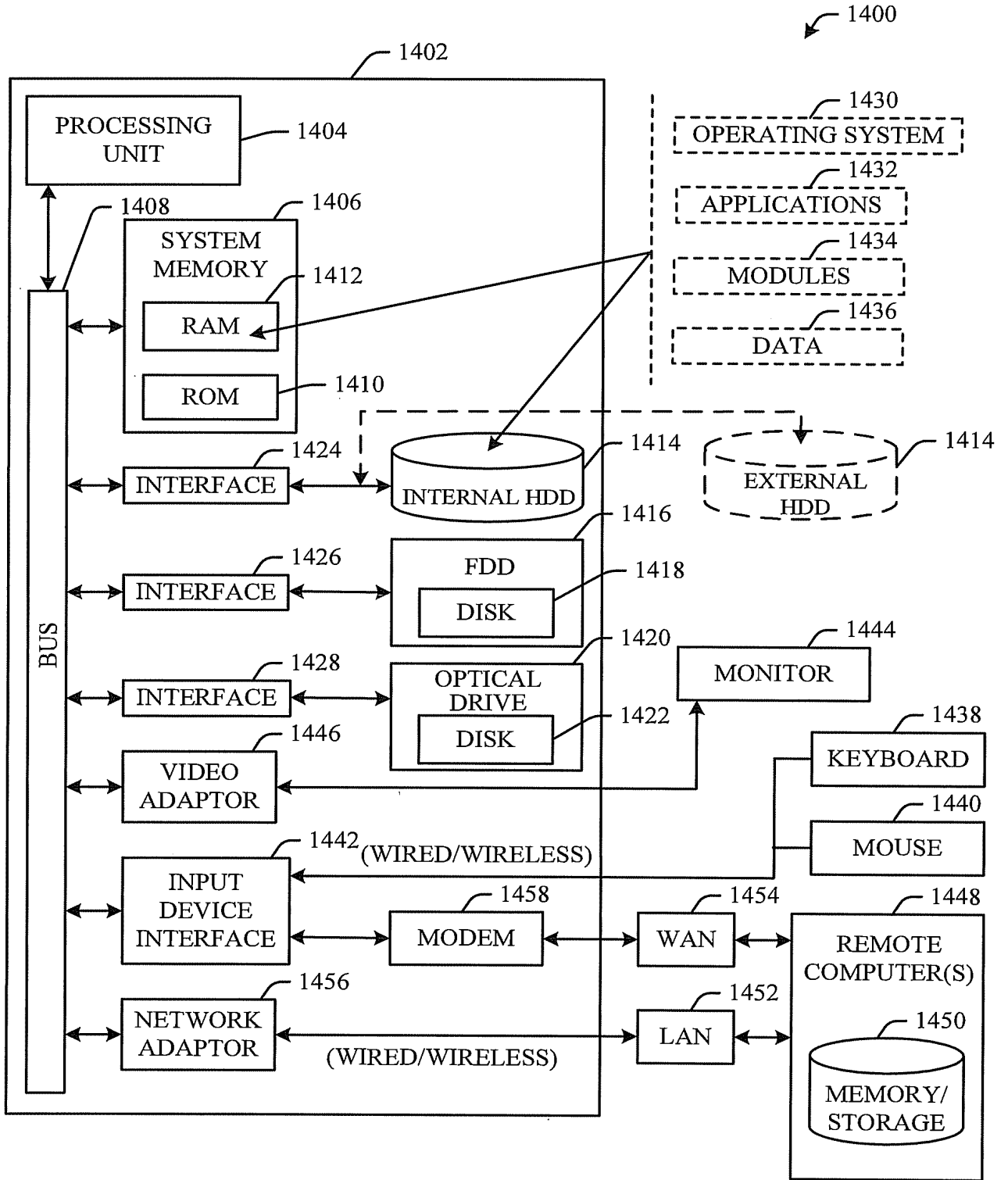


FIG. 14

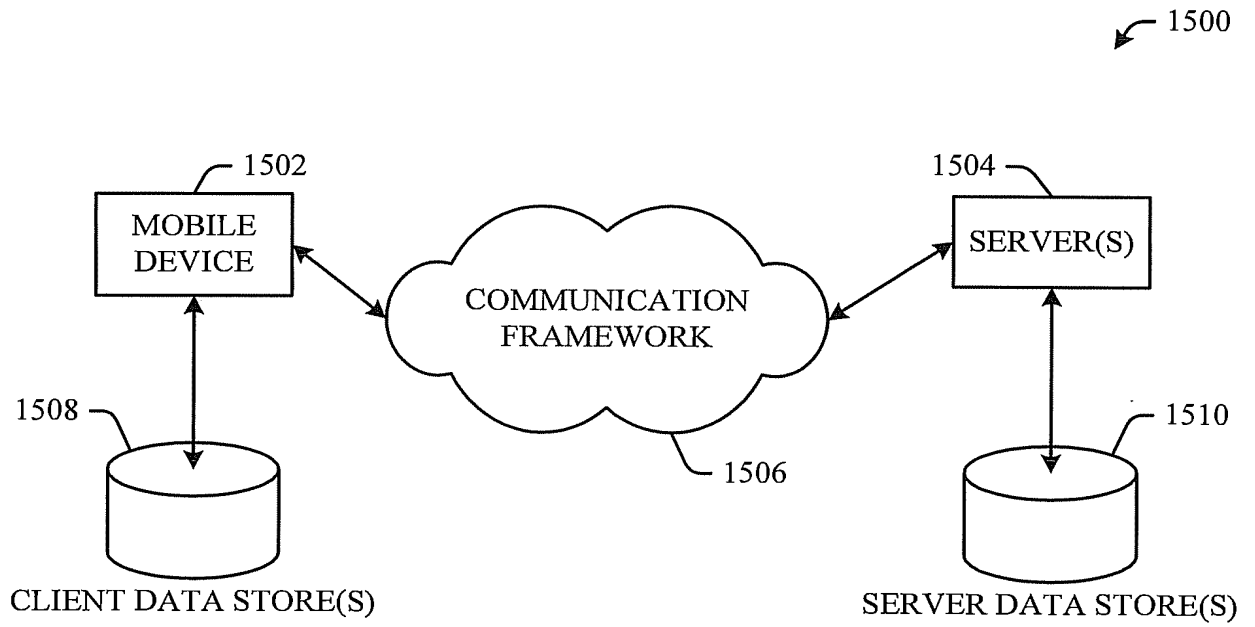


FIG. 15

Title: TILE SPACE USER INTERFACE FOR MOBILE DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This is an application claiming benefit under 35 U.S.C. 119(e) of U.S. Provisional Patent application Serial No. 60/718,187 entitled “ENHANCED PORTABLE DEVICE NAVIGATION TOOLS” and filed September 16, 2005. This application is also related to co-pending U.S. Patent Application Serial No. _____, (Atty. Docket No. MS315059.01/MSFTP1352US), entitled, “SEARCH INTERFACE FOR MOBILE DEVICES”, and filed _____; U.S. Patent Application Serial No. _____, (Atty. Docket No. MS315060.01/MSFTP1309US), entitled, “EXTENSIBLE, FILTERED LISTS FOR MOBILE DEVICE USER INTERFACE”, and filed _____; and U.S. Patent Application Serial No. _____, (Atty. Docket No. MS315061.01/MSFTP1354US), entitled, “CONTENT SHARING USER INTERFACE FOR MOBILE DEVICES”, and filed _____. The entireties of the above-noted applications are incorporated by reference herein.

BACKGROUND

[0002] Mobile or portable devices have become increasingly popular and prevalent in today’s society. Many users utilize a mobile device, such as a cellphone, as their primary means of communication and carry such devices with them constantly. Mobile devices can include multiple functions such as cellular phone service, voice over Internet protocol (“VoIP”) phone service, software applications, email access, Internet capabilities, calendar functions, music players and the like. Functions, features and capabilities have increased both the utility and complexity of mobile devices. It is likely that functions will continue to be added to mobile devices further increasing both usefulness and intricacy.

[0003] While consumers desire additional functionality, the sheer volume of information and features make it difficult for users to access commonly used data and functions. Mobile device complexity also makes it difficult for users to fully exploit the capabilities of such devices. The problem is exacerbated by the generally limited user interfaces of mobile devices. Such devices are designed to be small, lightweight and easily portable. Consequently, mobile devices typically have limited display screens, keypads, keyboards and/or other input devices. Due to the size of the user

input devices and display screens, it may be difficult for users to enter, retrieve and view information using mobile devices.

[0004] Users may have difficulty in accessing the information or function they desire due to the organization of the volume and variety of information that may be contained in or accessed by the mobile device, as well as the growing number of functions such devices are capable of supporting. Conventional menu structures for mobile devices require users to remember a hierarchy of functions or applications to reach the desired data or task. Information is frequently organized based upon the application software that provides or manages the information. Consequently, users can be required to access information based upon the various software applications rather than based upon user utility. Users can become frustrated when they are unable to locate the desired information or tasks and may be unable to fully exploit the advantages of the mobile device.

SUMMARY

[0005] The following presents a simplified summary in order to provide a basic understanding of some aspects of the claimed subject matter. This summary is not an extensive overview. It is not intended to identify key/critical elements or to delineate the scope of the claimed subject matter. Its sole purpose is to present some concepts in a simplified form as a prelude to the more detailed description that is presented later.

[0006] Briefly described, the provided subject matter concerns an improved user interface for mobile devices such as smartphones, personal digital assistants (PDAs) and the like. An enhanced, customizable user interface can be updated dynamically to provide users with content without requiring user interaction. Users can monitor status and/or data of content accessible through the mobile device by simply observing the user interface.

[0007] The user interface can include a set of dynamic tiles. The tiles can include graphics, text or any other visual data. A number of tiles can be displayed using thumbnail views that provide minimal data. In addition, a tile can be selected as the active tile and displayed in an enlarged view including additional content. Tiles can be updated to reflect changes to associated content accessible through the mobile device. Content can be local to the mobile device or located remotely. For example,

a tile can include data provided by an Internet subscription news service. Tiles can also provide independent functionality, including simple tasks, to users without requiring users to navigate away from the tile display space. In addition, tiles can provide users with quick, direct access to launch software applications available through the mobile device.

[0008] Tiles can be positioned within a tile space. A tile space can be any shape or size and can extend beyond the edges of a display screen of a mobile device. Users can utilize a keypad, stylus or the like to pan the display to view additional portions of the tile space. In addition, the active tile can be updated based upon navigation through the tile space, allowing users to see a summary view of additional tiles.

[0009] Tiles can be positioned or placed within a tile space to optimize presentation of content to users. Users can specifically position tiles within the tile space. In addition, the user interface can perform certain basic organization tasks to position tiles within a tile space. For example, the user interface can reorganize tiles to remove gaps between tiles. The user interface can also group or cluster tiles based upon metadata associated with the tiles. For instance, the user interface can group tiles associated with work-related projects in the lower, left portion of the tile space while grouping tiles associated with a user's personal life in the upper, right portion of the tile space.

[0010] To the accomplishment of the foregoing and related ends, certain illustrative aspects of the claimed subject matter are described herein in connection with the following description and the annexed drawings. These aspects are indicative of various ways in which the subject matter may be practiced, all of which are intended to be within the scope of the claimed subject matter. Other advantages and novel features may become apparent from the following detailed description when considered in conjunction with the drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] Fig. 1 is a block diagram of a system for providing a tile space display in accordance with an aspect of the subject matter disclosed herein.

[0012] Fig. 2 is a block diagram of a system for providing a tile space display in accordance with an aspect of the subject matter disclosed herein.

[0013] Fig. 3 is an exemplary display depicting a tile space in accordance with an aspect of the subject matter disclosed herein.

[0014] Fig. 4 is an exemplary display depicting an independent tile in accordance with an aspect of the subject matter disclosed herein.

[0015] Fig. 5 is an exemplary display depicting a content tile in accordance with an aspect of the subject matter disclosed herein.

[0016] Fig. 6 is an exemplary display depicting a content tile in accordance with an aspect of the subject matter disclosed herein.

[0017] Fig. 7 is an exemplary display depicting an alert in accordance with an aspect of the subject matter disclosed herein.

[0018] Fig. 8 illustrates navigation of an exemplary display in accordance with an aspect of the subject matter disclosed herein.

[0019] Fig. 9 illustrates a zoomed out display in accordance with an aspect of the subject matter disclosed herein.

[0020] Fig. 10 illustrates a methodology for providing a tile space in accordance with an aspect described herein.

[0021] Fig. 11 illustrates a methodology for navigating a tile space in accordance with an aspect described herein.

[0022] Fig. 12 illustrates a methodology for updating a tile space in accordance with an aspect described herein.

[0023] Fig. 13 illustrates a methodology for updating a tile space based upon a user profile in accordance with an aspect described herein.

[0024] Fig. 14 is a schematic block diagram illustrating a suitable operating environment.

[0025] Fig. 15 is a schematic block diagram of a sample-computing environment.

DETAILED DESCRIPTION

[0026] The various aspects of the subject matter described herein are now described with reference to the annexed drawings, wherein like numerals refer to like or corresponding elements throughout. It should be understood, however, that the drawings and detailed description relating thereto are not intended to limit the claimed subject matter to the particular form disclosed. Rather, the intention is to cover all

modifications, equivalents, and alternatives falling within the spirit and scope of the claimed subject matter.

[0027] As used herein, the terms “component,” “system” and the like are intended to refer to a computer-related entity, either hardware, a combination of hardware and software, software, or software in execution. For example, a component may be, but is not limited to being, a process running on a processor, a processor, an object, an executable, a thread of execution, a program, and/or a computer. By way of illustration, both an application running on computer and the computer can be a component. One or more components may reside within a process and/or thread of execution and a component may be localized on one computer and/or distributed between two or more computers.

[0028] The word “exemplary” is used herein to mean serving as an example, instance, or illustration. The subject matter disclosed herein is not limited by such examples. In addition, any aspect or design described herein as “exemplary” is not necessarily to be construed as preferred or advantageous over other aspects or designs.

[0029] Content on mobile devices can take many forms including, but not limited to, contact information, calendar items, mail, music, photos, documents, and tasks or actions. Access to content including data and available tasks is typically provided only through software applications specific to the data type of the content, such as an application used to create or render the specific content data type. For example, to read email from a contact, a user may be required to navigate to and open an email application. To telephone that same contact with a question regarding that email, the user may be required to navigate to the space where that contact’s communication details are visible (*e.g.*, a contact card specifying contact specific information). Finding relevant information can require first determining the appropriate software application, opening the application and searching for the relevant information within the application. To view mail from a specific sender, the user may be required to navigate to an email application and search by the sender’s name.

[0030] An enhanced user interface can include a tile space that can function as a home screen for a user, providing relevant content and quick access to applications. The tile space can provide users with a view or dashboard to monitor the current state

of a subset of content obtainable through the mobile device. Many of the most frequently used functions or data can be accessed without navigating away from the tile space. The tile space can be capable of managing any number of tiles. One or more sets of tiles can be customized to provide for a particular user.

[0031] Individual tiles can provide users with access to applications, application content, remote content and/or independent functionality. One or more tiles can provide a user with the data and tasks most likely to be relevant to the particular user without requiring the user to leave the tile space. Typically, tiles are represented in a small or thumbnail view that provides some minimal amount of information. One tile, referred to herein as the active tile, can be shown in an expanded or summary view. An expanded view of the active tile allows additional information or functions to be provided to a user without necessitating navigation from the tile space to an application space. Users can select an active tile from the set of tiles managed by a tile space.

[0032] Referring now to Fig. 1, a display system 100 for a mobile device in accordance with an aspect of the subject matter disclosed herein is illustrated. The system 100 can include a tile space component 102 that receives input from one or more interface components 104 and changes the view of a tile space on a mobile device (not shown) *via* a display component 106 according to such input. The system 100 can operate on any type of mobile device, including, but not limited to, a PDA, text messenger, cellular phone, pocket personal computer, smartphone, ultra-mobile tablet PC and the like. Input from the interface component 104 can include content obtained from one or more software applications. Input can also include user input generated using a touch screen, keypad, joystick, or any other type of control. A single interface component 104 is illustrated herein for simplicity; however, as shown in Fig. 2, multiple interface components can be utilized including separate interface components for user input and input from applications.

[0033] The interface component 104 can include or can be connected to a content sharing system capable of facilitating sharing of content from multiple software applications. A content sharing system can provide a standard interface between clients such as the interface component 104 and applications providing content. This interface ensures that clients need not have knowledge of the underlying data structures or even the identity of applications to access content.

[0034] A content sharing system can manage the supply of data and simple tasks associated with the data to the interface component 104. Applications can register new categories or classifications of data and associated tasks with the content sharing system, automatically allowing the interface component 104 to access the new data categories and tasks. Applications can also provide the content sharing system with data supplier components capable of retrieving data from the underlying data stores of the applications. In addition, applications can provide task executors capable of executing actions or tasks on data items of selected data types or categories. The central content sharing system can provide data and tasks to clients in response to queries or requests.

[0035] The interface component 104 can obtain data and associated tasks by generating a query specifying the category or type of data requested as well as context used to identify relevant data of the requested category. A set of data requests based upon the query from the interface component 104 can be distributed to data supplier components for various software applications. The data supplier components can retrieve the relevant data from the underlying data stores of associated applications and the retrieved results can be assembled and returned to the interface component 104. The query, data requests and query results can be specified in a declarative language, such as extended markup language (XML) to facilitate transfer of data without requiring knowledge of data structures by the client.

[0036] In another embodiment, the interface component 104 can interact directly with one or more software applications. Applications can notify the interface component 104 of a change to content and provide updated content directly to the interface component 104. In addition, the interface component can poll or request content from one or more applications either dynamically or periodically.

[0037] The tile space component 102 can include an input component 108 that obtains, receives and/or requests input including user input and content from the interface component 104. The input can be used to generate the view of the tile space. In addition, the tile space component 102 can include a tile manager component 110 that manages a set of tiles that can be displayed in a tile space.

[0038] Referring now to Fig. 2, the display system 100 can include multiple interface components that provide input to the tile space component 102. The display system 100 can include a user interface component 202 that provides for input from a

user. The system can also include a local interface component 204 that provides local content including data and tasks from software applications local to the mobile device. In addition, the system can include a remote interface component 206 that allows for input from remote sources. For instance, a remote interface component 206 can obtain data from an Internet source. One or more of the interface components can be combined into a single interface component.

[0039] The tile manager component 110 can include a display tile component 208 and an available tile component 210. An available tile component 210 can manage a set of all tiles currently available for inclusion in the tile space. The set of tiles currently managed in the tile space are referred to herein as the display tiles and are managed by the display tile component 208. The display tiles can be a subset of the set of available tiles offered by the available tile component 210. For example, a large number of possible tiles can be generated either by users, vendors or other entities. Users can select from this large set of available tiles to determine tiles to include within the set of display tiles. Users can customize the set of available tiles and/or display tiles by adding or deleting tiles. The set of available tiles can be identical to the display tiles if all available tiles are included within the tile space.

[0040] Users can generate and/or utilize one or more user profiles that specify one or more tiles from the available tiles to be included in the set of display tiles. The profile component 212 can manage one or more user profiles. Different user profiles can be generated to reflect the varying needs or interests of a user. Profiles can be generated based upon location, time of day, day of week, user context or any other user condition that can effect the set of tiles most likely to be relevant to the user. For example, a user can specify a work profile that includes a set of tiles specific to the user's occupation. The user can also create a separate user profile for use outside of work. For instance, users can create weekend profiles including tiles associated with entertainment information, personal contacts and the like. Users can also create profiles specific to geographic locations. Geographic profiles can be particularly useful for users that travel frequently. A user profile can also effect other mobile device or user interface settings and need not be limited to specification of display tiles.

[0041] Selection of a user profile can update, reorganize, add or delete display tiles. Users can view a list of possible user profiles and select the most appropriate

profile for their current context or state. Alternatively, a user profile can be automatically selected based upon one or more predetermined conditions, such as time of day or day of week. For example, a determination can be made that it is a weekend day and a weekend user profile can be utilized to select or organize a set of display tiles. During weekdays, an alternate set of tiles can be displayed based upon a weekday profile. User profiles can also be selected based at least in part upon geographic location. If the mobile device is capable of determining location, whether using a global positioning system (GPS) or any other manner of determining location, a profile can be selected based upon location of the mobile device. The mobile device can determine if the user is at home, at work or on travel and select the most appropriate user profile. A user can override any user profile selections either by electing a different user profile or by individually adding and/or deleting tiles from the current set of display tiles.

[0042] The tile manager component 110 can include a navigation component 214 that controls movement through the tile space. The tile space can extend beyond the limits of the display screen of the mobile device. To view portions of the tile space not currently shown on a display screen a user can indicate a direction to navigate within the tile space *via* the user interface component 202. The navigation component 214 can determine the tiles in the tile space currently visible and track and update the tiles. Navigation can update the active tile. Typically only one tile is active at any one time; the remainder of the tiles is displayed in a background or thumbnail view. Navigating through the tile space changes the tile that has focus, updating the active tile shown in the summary view.

[0043] The navigation component 214 can automatically control navigation through the tile space. For example, the navigation component 214 can automatically navigate to the center of the tile space upon start up. In addition, the navigation component 214 can automatically navigate to display tiles with updated content

[0044] In addition, the tile manager component 110 can include a tile position component 216 that controls the placement of tiles within the tile space. Tiles can be positioned within the tile space using a variety of methods. Users can specify the position of any or all tiles. In addition, the tile position component 216 can automatically perform certain basic organization operations. For example, the tile position component 216 can prevent a tile from becoming separated from the

remainder of the tiles within the tile space by automatically adding or moving tiles adjacent to existing tiles, if any, and removing empty spaces between tiles.

[0045] The tile position component 216 can group or cluster related tiles within the tile space. The tile position component 216 can utilize metadata associated with tiles to position like tiles in proximity to each other. Tiles can be grouped based upon user generated classifications and/or metadata. For instance, a user can classify all work-related tiles with one code and classify personal contacts with a second, separate code, thereby creating two distinct clusters of tiles in the tile space. Users can also specify portions of the tile space associated with the classifications. For instance, work-related tiles can be clustered in the upper left portion of the tile space, while personal contacts can be clustered in the bottom right portion of the tile space. Tiles can also be clustered by date of creation, type of data managed by the tile or any other data associated with a tile.

[0046] Referring now to Fig. 3, an exemplary user interface display 300 including a view of a tile space is illustrated. The user interface display 300 can include a title bar 302 that can include icons, images and/or text indicating the current time, battery power, connectivity or any other status indicators for the mobile device. The user interface display 300 can also include a view of a tile space 304. A view of the tile space 304 can include all or a portion of the tile space displayed on the user interface display 300. The tile space 304 can be represented as a grid of rectangular graphic tiles. Each tile can have two separate visual representations, active and background. The tile space 304 can include one or more tiles 306 in background or thumbnail view. A single background tile 306 is numbered here for simplicity, however as shown in Fig. 3, the tile space 304 can include a plurality of background tiles 306.

[0047] The tile space 304 can also include a tile in active or summary view 308. The tile currently in focus is referred to as the active tile 308, shown in summary view. The active tile 308 can include additional information, function and features not available when the tile is shown in background view. For example, a background tile 306 associated with weather information can include the current temperature and conditions in background view. The active or summary view of the same tile can provide additional weather information such as a three day forecast.

[0048] In addition, the user interface display 300 can include a softkey bar

310 including one or more softkey functions labels (*e.g.*, Home, Options and More). A softkey is typically a button located proximate to the display space. Generally, the function of the button is defined by the softkey function label shown near the button on the display space. The controls and features illustrated in Fig. 3 are exemplary. Alternative or additional controls and features can be included in a user interface display 300.

[0049] The tile space 304, background tiles 306 and active tile 308 can present data and tasks to a user at a central location. In addition, tiles can provide users with information without requiring the user to leave the tile space 304. For instance, even in background view the weather tile 306 can provide a user with weather information at a glance (*e.g.*, current temperature and conditions). Additional information can be obtained by navigating to the weather tile 306. The user is not required to leave the tile space 304 to obtain the additional information. Moreover, tiles are not limited to simply providing content. Tiles can include various functions, features and capabilities, described in further detail below.

[0050] Referring now to Fig. 4, an exemplary display 400 including an independent tile is illustrated. The tile space 304 can support a variety of tile types, including an independent tile 402, shown here in active or summary view. Independent tiles reside only in tile space and have no link to content or other applications either local to the mobile device or remote. Independent tiles offer functionality without requiring navigation away from the tile space. The independent tile 402 of Fig. 4 provides an alarm function. The alarm can be set, cancelled, monitored and responded to without leaving the tile space 304. Users can utilize the alarm tile 402 to track the amount of time left in a parking meter. A background view of the tile can include text indicating the time remaining before the alarm sounds.

[0051] Independent tiles can host controls with which the user can interact to preclude requiring the user to navigate away from the tile space to an application. For example, an independent tile can provide a calculator function. A keypad for a mobile device can provide users with the ability to enter numbers. The calculator tile can utilize basic controls such as on screen buttons to implement operators (*e.g.*, +, -, / or *). In another example, an independent tile can provide a simple messaging function.

[0052] Referring now to Fig. 5, an exemplary display 500 including a content

tile 502, shown here in summary view, is illustrated. Content tiles can display or represent content provided or maintained by a software application local to the mobile device. For example, the mobile device can include a contact software application that maintains a list of contacts with associated contact cards. Contacts are generally individuals or entities and contact cards generally include information associated with a contact (*e.g.*, name, title, telephone number, email address, physical address and the like). A content tile 502 can act as a shortcut to a contact card included in the contact list maintained by the contact software application on the mobile device. If the content tile 502 is a background tile, the thumbnail view can include an image of the contact, text or any other information regarding the contact. The content tile 502 can include a context indicator for the contact. The context indicator can show the current state of the contact such as whether the contact is online, the contact's location or any other property of the contact. In summary or background view the content tile for the contact can include graphics, text and any other information associated with the contact.

[0053] A content tile 502 can also provide the user with the ability to launch the software application associated with the content. Users can view limited content information from a background tile. Users can view additional content information using the summary view. However, the user may wish to perform additional functions, such as updating the contact card. The content tile 502 can provide a user with the ability to launch the full contact application directly from the tile space, without requiring the user to navigate to a menu of available applications.

[0054] Referring now to Fig. 6, an exemplary display 600 including a content tile 602 associated with remote content, shown here in summary view, is illustrated. Content can be retrieved or obtained from a remote source, such as a server. Vendors of services or data can generate and offer tiles to users. For example, a vendor that maintains an online auction website can provide an auction specific tile to a user, such as content tile 602. The auction tile 602 can track the current status of any auctions in which the user is participating, indicating auction information such as the current bid or time remaining in an auction. The content tile 602 associated with the auction can update dynamically to reflect content obtained from the remote source (*e.g.*, additional bids by the user and expiration of item auctions). Tiles can be dynamically updated based upon updated content without direct action by the user.

[0055] Content tiles can obtain a variety of content from remote sources. For instance, a user may subscribe to a news service. A tile can display a subset of news provided by the news service and/or as well as an indication of important news bulletins. In a further example, a tile can provide user with access to one or more maps frequently utilized by the user. Typically, geographic data sets such as maps are large. A mobile device may not have the capacity to store multiple maps. Here, a tile can provide quick access to a selected set of maps stored in a remote data store.

[0056] Vendors can provide tiles to users as a service. Users can be required to subscribe to the service to obtain content. Alternatively, vendors can provide tiles to users to perform targeted advertising. For example, a clothing retailer can provide a tile that includes data corresponding to online coupons based upon the user's past purchases. In addition, the retailer can provide additional information such as new products tailored to the users buying patterns. In addition, content of the tile can be updated based upon user location. For instance, the provided coupons can be selected based upon proximity of the user to a specific store. Other content accessible from the tile can include information regarding the closest retailer location.

[0057] Content tiles can also provide the ability to directly access an associated remote service without having to navigate to a menu of applications. Looking again at the example regarding the online auction, after viewing the summary view, a user can elect to select the tile and access the online auction. An online auction browser can be launched offering the user greater ability to view and interact with desired content, in this case the online auction.

[0058] The tile space can also include one or more application tiles. An application tile provides a user with quick, direct access to an application. Activation of an application tile launches the associated application without requiring a user to navigate to a list of applications to search and select the desired application. For instance, an application tile can provide a link to a game or other application. Thumbnail and summary views for application tiles can include graphics, text or other suitable visual cues to allow a user to easily identify the application.

[0059] The tile space can also include shortcut tiles. Shortcut tiles can provide shortcuts or links to any other location on the mobile device. For example, the mobile device can include another user interface for navigating mobile device content. Users can utilize a shortcut tile to leave the tile space and navigate to the

alternate user interface.

[0060] Tiles can include any combination of text, graphic images, hyperlinks or any other visual representation in both summary view and thumbnail view. For example, as shown in Fig. 3, icon, graphic images and/or text can be rendered within the same tile. Further, an image can be used as the background of the tile with text overlaying the image. Each individual tile can include multiple cells or columns that can be populated with data of varying data types. For instance, a messaging tile can include a column or cell for an icon that can reflect the method of communication (*e.g.*, voicemail or text message), a cell for text including the message content and a cell for text including the sender name. Different columns or cells can have separate tasks associated with the individual columns. Accordingly, selection of an icon within a tile can generate different task options than selection of the sender text in the same tile. In addition, tiles can include audio cues or data. For example, audio data may be triggered when a tile is active or selected.

[0061] Referring now to Fig. 7, an exemplary display 700 including a background tile 702 and an active tile 704, including alerts or notifications, is illustrated. A notification or alert, as used herein, is an indicator of a change in state, such as updated or additional content. Notifications can include changes to text, text color, font, background or other visual cues utilized to make users aware of changes associated with a tile. A tile can include an alert or notification in either summary or thumbnail views. For example, the border color of background tile 702 can be modified to indicate change. A user can obtain additional information by navigating to the background tile 702 and observing the summary view of the tile. Active tile 704 can also include one or more alerts or notifications of change to associated content. For example, the active tile 704 includes icons representing telephone messages and email messages. Alerts can be represented as text, shown here as parenthetical numbers adjacent to the icons. The text alerts can indicate newly received voicemail and email messages. Notifications and alerts are not limited to the examples illustrated herein. Alerts and notifications can include any audio, visual or tactile indicia, or any combination thereof.

[0062] The tiles described herein are managed in a tile space. The tile space can include any number of tiles. The tile space can be a fixed, predetermined size. Alternatively, users can specify the size of the tile space. In yet another alternative,

the size of the tile space can vary depending upon the number and location of tiles positioned within the tile space. The tile space can dynamically grow and shrink as tiles are added and deleted. Although the tile space has been illustrated herein as a grid of rectangular tiles, neither the tile space nor the tiles are limited to a rectangular form. Generally, tiles can be similarly sized to facilitate tile management and usability; however, tiles can vary in size. In addition, tiles have been depicted at evenly spaced intervals; however, the tile space can allow random or uneven distribution of tiles. Any arrangement of tiles that is useful to users can be utilized.

[0063] Referring now to Fig. 8, navigation within a tile space display is illustrated. As described above, the tile space can be of any size or dimension. Consequently, the tile space can extend beyond the borders of the display screen of the mobile device. As a user provides input through the user interface, the tile space component, in particular the navigation component, can communicate the necessary data to the display component, which can respond by changing the view of the tile space. For instance, suppose that the user indicates movement downward toward the bottom of the display screen. In response, the display component can shift the view downward to reveal tiles that were previously off the screen. In addition, the tile in active view can be updated. Movement within the tile space need not be limited to simple vertical or horizontal panning.

[0064] The tile space can facilitate navigation through the tile space providing for wrapping or warping at the edges of the tile space. For example, if a user continues to indicate movement to the right within the tile space, eventually the user will encounter the edge of the tile space. However, the tile space can warp or wrap to the leftmost edge of the tile space. Consequently, the tile space can form a continuous ring or loop. By continuing to indicate movement to the right, a user will eventually return to the initial portion of the tile space. Alternatively, the tile space can wrap or warp in the vertical direction.

[0065] Zones or regions can be defined within the tile space to assist in navigation of the tile space. For example, the tile space can be divided into quadrants with a distinct background color can be chosen for each quadrant. This pattern of background colors can allow users to quickly identify their location within the tile space. A predefined set of zones or quadrants can provide users with any easy method for establishing location. However, any background pattern that allows users

to orient within the tile space can be utilized.

[0066] The appearance of the tile space and tiles can also be customizable. Color schemes, themes and/or skins can be selected by the user to personalize the appearance of the tiles, the tile space or any portion thereof. A user can customize appearance of tile space and tiles based upon aesthetic preferences or to enhance usability. For instance, individual tile spaces, tile space zones or tiles can have separate colors, themes or skins to allow a user to identify a tile, tile space or location within a tile space at a glance.

[0067] The user interface can enhance navigation of the tile space by providing users with a method for returning to a home location or tile, such as the center or center tile of the tile space. For example, the user interface can include a button that immediately jumps or warps to the tile space home. Return to the tile space home can be triggered using a button, a stylus or any other method of input for the mobile device.

[0068] Referring now to Fig. 9, an exemplary display 900 depicting a zoomed out display of the tile space is illustrated. The navigation component can provide a zoom function. Zooming out allows a user to determine current location within the tile space. While in the zoom out view, the user can select an alternate portion of the tile space for viewing. After selecting a portion of the tile space, the user can elect to zoom in. At that point the display component will update the display to view the portion of the tile space selected by the user. During zoom out, smaller representations of tiles can be used to allow for the display of additional tiles within the display screen of the mobile device. The zoom out display need not include an active tile. The smaller tile representations can include graphics or any visual indicia. In addition, a display screen indicator (not shown) can be illustrated on the screen. The display screen indicator can be drawn as a box or border showing the portion of the tile space to be displayed upon zoom in. By indicating movement, the user can reposition the display screen indicator within the tile space and thereby update the portion of the tile space to be displayed. Alternatively, the user can select a tile and on zoom in, the selected tile can be displayed as the active tile, centered in the mobile device display screen.

[0069] Tiles can be organized within the tile space in any manner that enhances usability for a user. For example, users can manually place or position each

tile within the tile space. Tiles associated with a class of information can be grouped together. For example, a user can have several tiles devoted to persons. The user may wish to group all such tiles within the tile space. Consequently, the user can navigate to the portion of the tile space containing the tiles devoted to people to determine the status of all of the contacts at one time. Grouping related tiles can be used in combination with the zones or quadrants described above. For example, the users may elect to position all contact tiles within the upper left quadrant of the tile space. Work-related tiles can be grouped in the bottom right quadrant of the tile space, and so forth. Consequently, background color can indicate not only location within the tile space, but also the type of tile.

[0070] Alternatively or additionally, tile position component can automatically organize or place tiles. The tile position component can infer appropriate groups or clusters of tiles based upon the class of information reference by the tiles (*e.g.*, contacts, games and the like), or by any other metadata associated with a tile. Tiles can have a gravity or magnetism based upon any metadata such as tile origin, tile content, user classification of the tile or any other data. Like tiles can gravitate toward each other based upon this gravity or magnetism. Tile magnetism can be used in combination with user classifications or selections to maintain order and organization within the tile space. In particular, as tiles are deleted and added to the tile space, tile clustering using magnetism can facilitate maintaining order within the tile space. Automatic tile management can help prevent cluttering and randomization of the tile space.

[0071] The aforementioned systems have been described with respect to interaction between several components. It should be appreciated that such systems and components can include those components or sub-components specified therein, some of the specified components or sub-components, and/or additional components. Sub-components could also be implemented as components communicatively coupled to other components rather than included within parent components. Additionally, it should be noted that one or more components may be combined into a single component providing aggregate functionality or divided into several sub-components. The components may also interact with one or more other components not specifically described herein but known by those of skill in the art.

[0072] Furthermore, as will be appreciated various portions of the disclosed

systems above and methods below may include or consist of artificial intelligence or knowledge or rule based components, sub-components, processes, means, methodologies, or mechanisms (*e.g.*, support vector machines, neural networks, expert systems, Bayesian belief networks, fuzzy logic, data fusion engines, classifiers...). Such components, *inter alia*, can automate certain mechanisms or processes performed thereby to make portions of the systems and methods more adaptive as well as efficient and intelligent.

[0073] In view of the exemplary systems described *supra*, methodologies that may be implemented in accordance with the disclosed subject matter will be better appreciated with reference to the flowcharts of Figs. 10-13. While for purposes of simplicity of explanation, the methodologies are shown and described as a series of blocks, it is to be understood and appreciated that the claimed subject matter is not limited by the order of the blocks, as some blocks may occur in different orders and/or concurrently with other blocks from what is depicted and described herein. Moreover, not all illustrated blocks may be required to implement the methodologies described hereinafter.

[0074] Additionally, it should be further appreciated that the methodologies disclosed hereinafter and throughout this specification are capable of being stored on an article of manufacture to facilitate transporting and transferring such methodologies to computers. The term article of manufacture, as used, is intended to encompass a computer program accessible from any computer-readable device, carrier, or media.

[0075] Referring now to Fig. 10, a methodology for updating a tile space in accordance with an aspect described herein is illustrated. At 1002, a tile space is generated for a mobile device. The tile space can be of any size or configuration, such as a rectangular grid or a continuous loop. The tile space can be populated with one or more tiles at 1004. The tiles can be placed within the tile space according to the specifications of a user. Alternatively or additionally, tiles can be placed in the tile space according to tile parameters, such as classes of data associated with the tiles. The tile space can be larger than the available screen of the mobile device. Accordingly, a view of the tile space can include a selected portion of the tile space. The portion of the tile space shown in the mobile device screen can be determined based upon user input. Alternatively, a default portion of the tile space can be shown.

A view of the tile space can be displayed on the screen of the mobile device at 1006.

[0076] Referring now to Fig. 11, a methodology for updating a tile space in response to user input in accordance with an aspect described herein is illustrated. At 1102, user input is received. User input can be provided using a keypad, an on-screen button, a joystick and the like. For example, with a multi-directional pad either on-screen or mapped to a keypad or joystick, the user can nudge or move in a desired direction to see other tiles or collections of tiles. The method navigates through the tile space in accordance with user input at 1104. Based upon navigation of the tile space, the active tile and the background tiles visible on screen can be determined. The view dependent at least in part upon the user's input can be displayed at 1106.

[0077] Referring now to Fig. 12, a methodology for updating a tile space in accordance with an aspect described herein is illustrated. At 1202, an update of the tiles, including both the active tile and the background tiles, is triggered. Updates can be triggered by user input such as addition, deletion or modification of tiles. Tiles can also be updated periodically. Tile updates can also be triggered by changes in content associated with the tiles. The content associated with a tile can be obtained at 1204. Content can be obtained upon request. At 1206, the tiles and tile space can be updated based upon the updated content. At 1208, a determination is made as to whether there are additional tiles for which updated content should be retrieved. If yes, the method returns to 1204 and updated information is obtained for the next tile. If no, the display can be updated at 1210 to show the updated tile space.

[0078] Referring now to Fig. 13, a methodology for updating a tile space based upon a user profile in accordance with an aspect described herein is illustrated. At 1302, a user profile can be selected from one or more possible user profiles. User profiles can define the tiles available for display on the mobile device and can be specified to provide user with relevant content based upon the user's context. Selection of a user profile can be based upon location of the mobile device, time of day, day of the week or any other relevant information. At 1304, the tiles to be displayed are selected based upon the user profile. The view of tile space is determined at 1306. For example, the display tiles can include a default tile, such that the display is centered on the default tile. At 1308, the tile space can be updated to in accordance with the selected user profile.

[0079] In order to provide a context for the various aspects of the disclosed

subject matter, Figs. 14 and 15 as well as the following discussion are intended to provide a brief, general description of a suitable environment in which the various aspects of the disclosed subject matter may be implemented. While the subject matter has been described above in the general context of computer-executable instructions of a computer program that runs on a mobile device including a computer and/or computers, those skilled in the art will recognize that the innovations described herein also may be implemented in combination with other program modules or software applications. Generally, program modules include routines, programs, components, data structures, *etc.* that perform particular tasks and/or implement particular abstract data types. Moreover, those skilled in the art will appreciate that the inventive methods may be practiced with other computer system configurations, including single-processor or multiprocessor computer systems, mini-computing devices, mainframe computers, as well as personal computers, hand-held computing devices (*e.g.*, PDA, phone, watch...), microprocessor-based or programmable consumer or industrial electronics, and the like. The illustrated aspects may also be practiced in distributed computing environments where tasks are performed by remote processing devices that are linked through a communications network. However, some, if not all aspects of the subject matter described herein can be practiced on stand-alone computers, including mobile devices. In a distributed computing environment, program modules may be located in both local and remote memory storage devices.

[0080] With reference again to Fig. 14, the exemplary environment 1400 for implementing various aspects of the embodiments includes a mobile device or computer 1402, the computer 1402 including a processing unit 1404, a system memory 1406 and a system bus 1408. The system bus 1408 couples system components including, but not limited to, the system memory 1406 to the processing unit 1404. The processing unit 1404 can be any of various commercially available processors. Dual microprocessors and other multi-processor architectures may also be employed as the processing unit 1404.

[0081] The system memory 1406 includes read-only memory (ROM) 1410 and random access memory (RAM) 1412. A basic input/output system (BIOS) is stored in a non-volatile memory 1410 such as ROM, EPROM, EEPROM, which BIOS contains the basic routines that help to transfer information between elements within the computer 1402, such as during start-up. The RAM 1412 can also include a

high-speed RAM such as static RAM for caching data.

[0082] The computer or mobile device 1402 further includes an internal hard disk drive (HDD) 1414 (*e.g.*, EIDE, SATA), which internal hard disk drive 1414 may also be configured for external use in a suitable chassis (not shown), a magnetic floppy disk drive (FDD) 1416, (*e.g.*, to read from or write to a removable diskette 1418) and an optical disk drive 1420, (*e.g.*, reading a CD-ROM disk 1422 or, to read from or write to other high capacity optical media such as the DVD). The hard disk drive 1414, magnetic disk drive 1416 and optical disk drive 1420 can be connected to the system bus 1408 by a hard disk drive interface 1424, a magnetic disk drive interface 1426 and an optical drive interface 1428, respectively. The interface 1424 for external drive implementations includes at least one or both of Universal Serial Bus (USB) and IEEE 1494 interface technologies. Other external drive connection technologies are within contemplation of the subject systems and methods.

[0083] The drives and their associated computer-readable media provide nonvolatile storage of data, data structures, computer-executable instructions, and so forth. Consequently, the tile instructions can be stored using the drives and their associated computer-readable media. For the computer 1402, the drives and media accommodate the storage of any data in a suitable digital format. Although the description of computer-readable media above refers to a HDD, a removable magnetic diskette, and a removable optical media such as a CD or DVD, it should be appreciated by those skilled in the art that other types of media that are readable by a computer, may be used.

[0084] A number of program modules can be stored in the drives and RAM 1412, including an operating system 1430, one or more application programs 1432, other program modules 1434 and program data 1436. The application programs 1432 can provide content for the tiles. All or portions of the operating system, applications, modules, and/or data can also be cached in the RAM 1412. It is appreciated that the systems and methods can be implemented with various commercially available operating systems or combinations of operating systems.

[0085] A user can enter commands and information into the computer 1402 through one or more wired/wireless input devices, *e.g.*, a keyboard 1438 and a pointing device, such as a mouse 1440. Other input devices (not shown) may include a microphone, an IR remote control, a joystick, a game pad, a stylus pen, touch

screen, or the like. These and other input devices are often connected to the processing unit 1404 through an input device interface 1442 that is coupled to the system bus 1408, but can be connected by other interfaces, such as a parallel port, an IEEE 1494 serial port, a game port, a USB port, an IR interface, *etc.* A display device 1444 can be used to provide a set of tiles to a user. The display devices can be connected to the system bus 1408 *via* an interface, such as a video adapter 1446.

[0086] The mobile device or computer 1402 may operate in a networked environment using logical connections *via* wired and/or wireless communications to one or more remote computers, such as a remote computer(s) 1448. For example, the tile instructions can be local to the computer 1402 and software applications can be located remotely on a remote computer 1448. The remote computer(s) 1448 can be a workstation, a server computer, a router, a personal computer, portable computer, microprocessor-based entertainment appliance, a peer device or other common network node, and typically includes many or all of the elements described relative to the computer 1402, although, for purposes of brevity, only a memory/storage device 1450 is illustrated. The logical connections depicted include wired/wireless connectivity to a local area network (LAN) 1452 and/or larger networks, *e.g.*, a wide area network (WAN) 1454. Such LAN and WAN networking environments are commonplace in offices and companies, and facilitate enterprise-wide computer networks, such as intranets, all of which may connect to a global communications network, *e.g.*, the Internet.

[0087] When used in a LAN networking environment, the computer 1402 is connected to the local network 1452 through a wired and/or wireless communication network interface or adapter 1456. The adaptor 1456 may facilitate wired or wireless communication to the LAN 1452, which may also include a wireless access point disposed thereon for communicating with the wireless adaptor 1456.

[0088] When used in a WAN networking environment, the computer 1402 can include a modem 1458, or is connected to a communications server on the WAN 1454, or has other means for establishing communications over the WAN 1454, such as by way of the Internet. The modem 1458, which can be internal or external and a wired or wireless device, is connected to the system bus 1408 *via* the serial port interface 1442. In a networked environment, program modules depicted relative to the computer 1402, or portions thereof, can be stored in the remote memory/storage

device 1450. It will be appreciated that the network connections shown are exemplary and other means of establishing a communications link between the computers can be used.

[0089] The computer 1402 is operable to communicate with any wireless devices or entities operatively disposed in wireless communication, *e.g.*, a printer, scanner, desktop and/or portable computer, PDA, communications satellite, any piece of equipment or location associated with a wirelessly detectable tag (*e.g.*, a kiosk, news stand, restroom), and telephone. The wireless devices or entities include at least Wi-Fi and Bluetooth™ wireless technologies. Thus, the communication can be a predefined structure as with a conventional network or simply an ad hoc communication between at least two devices.

[0090] Wi-Fi, or Wireless Fidelity, allows connection to the Internet from a couch at home, a bed in a hotel room, or a conference room at work, without wires. Wi-Fi is a wireless technology similar to that used in a cell phone that enables such devices, *e.g.*, computers, to send and receive data indoors and out; anywhere within the range of a base station. Wi-Fi networks use radio technologies called IEEE 802.11 (a, b, g, *etc.*) to provide secure, reliable, fast wireless connectivity. A Wi-Fi network can be used to connect computers to each other, to the Internet, and to wired networks (which use IEEE 802.3 or Ethernet). Wi-Fi networks operate in the unlicensed 2.4 and 5 GHz radio bands, at an 11 Mbps (802.11a) or 54 Mbps (802.11b) data rate, for example, or with products that contain both bands (dual band), so the networks can provide real-world performance similar to the basic 10BaseT wired Ethernet networks used in many offices.

[0091] Fig. 15 is a schematic block diagram of a sample environment 1500 with which the systems and methods described herein can interact. The system 1500 includes one or more mobile device(s) 1502. The mobile device(s) 1502 can be hardware and/or software (*e.g.*, threads, processes, computing devices). The system 1500 also includes one or more server(s) 1504. Thus, system 1500 can correspond to a two-tier client server model or a multi-tier model (*e.g.*, client, middle tier server, data server), amongst other models. The server(s) 1504 can also be hardware and/or software (*e.g.*, threads, processes, computing devices). One possible communication between a mobile device 1502 and a server 1504 may be in the form of a data packet adapted to be transmitted between two or more computer processes. The system 1500

includes a communication framework 1506 that can be employed to facilitate communications between the mobile device(s) 1502 and the server(s) 1504. The mobile device(s) 1502 are operably connected to one or more data store(s) 1508 that can be employed to store information local to the mobile device(s) 1502. Similarly, the server(s) 1504 are operably connected to one or more server data store(s) 1510 that can be employed to store information local to the servers 1504.

[0092] The disclosed subject matter may be implemented as a system, method, apparatus, or article of manufacture using standard programming and/or engineering techniques to produce software, firmware, hardware, or any combination thereof to control a computer or processor based device to implement aspects detailed herein. The term "article of manufacture" (or alternatively, "computer program product") as used herein is intended to encompass a computer program accessible from any computer-readable device, carrier, or media. For example, computer readable media can include but are not limited to magnetic storage devices (*e.g.*, hard disk, floppy disk, magnetic strips...), optical disks (*e.g.*, compact disk (CD), digital versatile disk (DVD)...), smart cards, and flash memory devices (*e.g.*, card, stick). Additionally it should be appreciated that a carrier wave can be employed to carry computer-readable electronic data such as those used in transmitting and receiving electronic mail or in accessing a network such as the Internet or a local area network (LAN). Of course, those skilled in the art will recognize many modifications may be made to this configuration without departing from the scope or spirit of the claimed subject matter.

[0093] What has been described above includes examples of aspects of the claimed subject matter. It is, of course, not possible to describe every conceivable combination of components or methodologies for purposes of describing the claimed subject matter, but one of ordinary skill in the art may recognize that many further combinations and permutations of the disclosed subject matter are possible. Accordingly, the disclosed subject matter is intended to embrace all such alterations, modifications and variations that fall within the spirit and scope of the appended claims. Furthermore, to the extent that the terms "includes," "has" or "having" are used in either the detailed description or the claims, such terms are intended to be inclusive in a manner similar to the term "comprising" as "comprising" is interpreted when employed as a transitional word in a claim.

CLAIMS

What is claimed is:

1. An user interface for a mobile device facilitating surfacing of content available through the mobile device, comprising:
 - an interface component that obtains the content;
 - a tile space component that manages a plurality of tiles dynamically updated based at least in part on the content and positioned within a tile space; and
 - a display component that displays a view of the tile space.
2. The user interface of claim 1, the plurality of tiles includes an application tile that provides a link to a software application.
3. The user interface of claim 1, the content is at least one of local to the mobile device and remotely located.
4. The user interface of claim 1, the plurality of tiles includes an independent tile that provides functionality independent of other mobile device applications.
5. The user interface of claim 1, the tile space is divided into a plurality of visually distinct zones.
6. The user interface of claim 1, the tile space component further comprises:
 - an available tile component that manages a set of available tiles; and
 - a display tile component that manages the plurality of tiles selected from the set of available tiles.
7. The user interface of claim 6, the tile space component further comprises:
 - a profile component that manages at least one user profile and the plurality of tiles are selected from the set of available tiles based at least in part on the at least one user profile.

8. The user interface of claim 1, the tile space component further comprises:
a tile position component that manages the position of each of the plurality of tiles within the tile space.
9. The user interface of claim 8, the positioning of the plurality of tiles in the tile space is based at least in part on metadata associated with each of the plurality of tiles.
10. The user interface of claim 8, the positioning of the plurality of tiles in the tile space is based at least in part on user input.
11. A method for providing a user of a mobile device, comprising:
generating a customizable display space capable of managing a plurality of dynamically updating tiles;
populating the customizable display space with the plurality of tiles; and
displaying a view of the display space.
12. The method of claim 11, further comprising:
receiving user input; and
navigating through the display space based at least in part on the user input.
13. The method of claim 12, navigating through the display space comprises:
panning through the display space; and
selecting an active tile for display in a summary view.
14. The method of claim 13, panning through the display space comprises:
wrapping from one edge of the display space to an opposite edge of the display such that the display space forms a continuous loop.
15. The method of claim 12, navigating through the display space further comprises:
zooming between different zoom depths within the display space.

16. The method of claim 11, displaying a view of the display space further comprises:
 - selecting an active tile from the plurality of tiles; and
 - displaying an enlarged, summary view of the active tile.

17. A system providing an enhanced user interface, comprising:
 - means for generating a customizable tile space capable of managing a plurality of tiles;
 - means for populating the customizable tile space with the plurality of dynamically updating tiles; and
 - means for displaying a view of the tile space.

18. The system of claim 17, further comprising:
 - means for receiving user input; and
 - means for navigating through the tile space based at least in part on the user input.

19. The system of claim 17, further comprising:
 - means for selecting the plurality of tiles from a set of available tiles based at least in part on a user profile.

20. The system of claim 17, further comprising:
 - means for panning through the tile space; and
 - means for selecting a tile from the plurality of tiles for an enlarged view.

ABSTRACT

The subject disclosure pertains to systems and methods for providing an improved user interface for mobile devices. Data and services available through the mobile device can be represented as a set of tiles maintained in a display space. The tiles provide a snapshot of the current state of content available through the mobile device without requiring any interaction by the user. The tiles and display space are customizable and can be dynamically updated to display content to a user. In addition, tiles can provide functionality, including simple tasks to a user without requiring the user to navigate away from the tile display space. Tiles can also provide quick access to start software applications. Tiles can be organized in the display space by the user or the tiles can be automatically grouped based upon associated metadata.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MS315063.01/MSFTP1355US
		Application Number	
Title of Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

- Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

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Applicant 1						<input type="button" value="Remove"/>	
Applicant Authority		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name		Suffix		
	David	Wayne	Flynt				
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service							
City	Lake Forest Park	State/Province	WA	Country of Residenceⁱ	US		
Citizenship under 37 CFR 1.41(b)ⁱ		US					
Mailing Address of Applicant:							
Address 1		18733 45 Ct. NE					
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Postal Code	98155	Countryⁱ	US				
Applicant 2						<input type="button" value="Remove"/>	
Applicant Authority		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name		Suffix		
	Bryan	T.	Agnetta				
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Mailing Address of Applicant:							
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Applicant Authority		<input checked="" type="radio"/> Inventor		<input type="radio"/> Legal Representative under 35 U.S.C. 117		<input type="radio"/> Party of Interest under 35 U.S.C. 118	
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	Sally	Louise	Barton				
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MS315063.01/MSFTP1355US		
		Application Number			
Title of Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES				
Citizenship under 37 CFR 1.41(b) i	GB				
Mailing Address of Applicant:					
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Applicant 4					<input type="button" value="Remove"/>
Applicant Authority	<input checked="" type="radio"/> Inventor	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Party of Interest under 35 U.S.C. 118		
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Eduardo	L.	Escardo-Raffo		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Seattle	State/Province	WA	Country of Residence ⁱ	US
Citizenship under 37 CFR 1.41(b) i	IT				
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Address 1	1707 NW 59th Street, Apt 202				
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City	Seattle	State/Province	WA		
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Applicant 5					<input type="button" value="Remove"/>
Applicant Authority	<input checked="" type="radio"/> Inventor	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Party of Interest under 35 U.S.C. 118		
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	Tirthankar		Sengupta		
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Postal Code	98075	Country ⁱ	US		
Applicant 6					<input type="button" value="Remove"/>
Applicant Authority	<input checked="" type="radio"/> Inventor	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Party of Interest under 35 U.S.C. 118		
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Peter	G.	Chin		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Seattle	State/Province	WA	Country of Residence ⁱ	US
Citizenship under 37 CFR 1.41(b) i	US				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MS315063.01/MSFTP1355US	
		Application Number		
Title of Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES			

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Address 1	1210 NE 75th Street			
Address 2				
City	Seattle	State/Province	WA	
Postal Code	98115	Country ⁱ	US	
Applicant 7				<input type="button" value="Remove"/>
Applicant Authority	<input checked="" type="radio"/> Inventor	<input type="radio"/> Legal Representative under 35 U.S.C. 117	<input type="radio"/> Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name	Suffix
	Hok-Sum	Horace	Luke	
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service				
City	Mercer Island	State/Province	WA	Country of Residence ⁱ
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Citizenship under 37 CFR 1.41(b) ⁱ		US		
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Address 1	3763 77th PL SE			
Address 2				
City	Mercer Island	State/Province	WA	
Postal Code	98040	Country ⁱ	US	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).	
<input type="checkbox"/> An Address is being provided for the correspondence Information of this application.	
Customer Number	27195
Email Address	<input type="button" value="Add Email"/> <input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES		
Attorney Docket Number	MS315063.01/MSFTP1355US	Small Entity Status Claimed	<input type="checkbox"/>
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	15	Suggested Figure for Publication (if any)	1

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MS315063.01/MSFTP1355US
	Application Number	
Title of Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES	

Publication Information:	
<input type="checkbox"/>	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
<input type="checkbox"/>	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not been and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

Representative Information:

<p>Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.</p>			
Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> US Representative (37 CFR 11.9)
Customer Number	27195		

Domestic Priority Information:

<p>This section allows for the applicant to claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c). Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.</p>			
Prior Application Status	Pending	<input type="button" value="Remove"/>	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	60718187	2005-09-16
<p>Additional Domestic Priority Data may be generated within this form by selecting the Add button.</p>			<input type="button" value="Add"/>

Foreign Priority Information:

<p>This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).</p>			
			<input type="button" value="Remove"/>
Application Number	Country ⁱ	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			<input type="radio"/> Yes <input checked="" type="radio"/> No
<p>Additional Foreign Priority Data may be generated within this form by selecting the Add button.</p>			<input type="button" value="Add"/>

Assignee Information:

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MS315063.01/MSFTP1355US	
		Application Number		
Title of Invention	TILE SPACE USER INTERFACE FOR MOBILE DEVICES			
Organization Name	Microsoft Corporation			
Mailing Address Information:				
Address 1	One Microsoft Way			
Address 2				
City	Redmond	State/Province	WA	
Country	US	Postal Code	98052	
Phone Number		Fax Number		
Email Address				
Additional Assignee Data may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.				
Signature	/Himanshu S. Amin/		Date (YYYY-MM-DD)	2006-06-16
First Name	Himanshu	Last Name	Amin	Registration Number 40894

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DCKET NO. MSFT1355US

MS DCKET NO. MS915063.01

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;
 I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: TILE SPACE USER INTERFACE FOR MOBILE DEVICES the specification of which is filed herewith unless the following box is checked:

was filed on _____ as US Application Serial No. or PCT International Application Number: _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119	
			YES:	NO:
			YES:	NO:
			YES:	NO:

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with

Customer No. 27195

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

David Bartley Eppenaue Reg. No. 35,499	Martin L. Slivcly Reg. No. 33,553	Ronald O. Zink Reg. No. 35,744	Patricia R. Barnes Reg. No. 37,038
Jeffrey L. Ranck Reg. No. 38,590	Michael W. Bocianowski Reg. No. 28,692	John Wiczah Reg. No. 32,332	Himanshu S. Amin Reg. No. 40,894
Gregory Turcoy Reg. No. 36,952			

Send Correspondence to:	Direct Telephone Calls To:
Contact Name: Himanshu S. Amin	Contact Name: Himanshu S. Amin
Firm Name: Amin & Turcoy, LLP	Contact Phone Number: (216) 696-8730
Print Address: 1900 E. 9th Street, National City Center 24th Floor	
City, State and Zip: Cleveland, OH 44114	

PATENT APPLICATION
DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFTP1355U8

MS DOCKET NO. MS315063.01

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: David W. Flynt
Residence: Lake Forest Park, Washington
Post Office Address: 18733 45 Ct. NE
Lake Forest Park, Washington 98155

Citizenship: United States

[Signature]
Inventor's Signature 17 MAY 06
Date

Full Name of Inventor: Bryan T. Agnetta
Residence: Seattle, Washington
Post Office Address: 1102 10th Ave. East
Seattle, Washington 98102

Citizenship: United States

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Inventor's Signature 17 MAY 06
Date

Full Name of Inventor: Sally Louise Barton
Residence: Seattle, Washington
Post Office Address: 909 30th Avenue South
Seattle, Washington 98144

Citizenship: United Kingdom

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Inventor's Signature 17 MAY 06
Date

Full Name of Inventor: Eduardo Ricardo Ruffo
Residence: Seattle, Washington
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Citizenship: Italy

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Inventor's Signature 17 MAY 06
Date

PATENT APPLICATION
DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFTM1355US

MS DOCKET NO. MS215063.01

Full Name of Inventor: Tirthankar Sengupta
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Post Office Address: 4425 Issaquah-Fine Lake RD SE, Apt #B13
Sammamish, Washington 98075

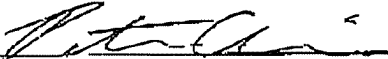
Citizenship: United States

Inventor's Signature

Date

Full Name of Inventor: Peter G. Chin
Residence: Seattle, Washington
Post Office Address: 1210 NE 75th Street
Seattle, Washington 98115

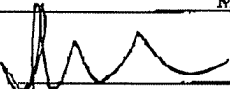
Citizenship: United States


Inventor's Signature

5/17/06
Date

Full Name of Inventor: Hak-Sum Horace Luke
Residence: Mercer Island, Washington
Post Office Address: 3769 77th PL SE
Mercer Island, Washington 98040

Citizenship: United States


Inventor's Signature

5/17/2006
Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFTP1355US

MS DOCKET NO. MS315063.01

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: TILE SPACE USER INTERFACE FOR MOBILE DEVICES the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: ___ NO: ___
			YES: ___ NO: ___

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with

Customer No. 27195

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

David Bartley Eppenauer Reg. No. 35,499	Martin L. Shively Reg. No. 33,553	Ronald O. Zink Reg. No. 35,744	Patricia E. Bornes Reg. No. 37,038
Jeffrey L. Ranck Reg. No. 38,590	Michael W. Bocianowski Reg. No. 28,692	John Weresh Reg. No. 32,332	Himanshu S. Amin Reg. No. 40,894
Gregory Turocy Reg. No. 36,952			

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City, State and Zip: Cleveland, OH 44114

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Contact Name: Himanshu S. Amin
Contact Phone Number: (216) 696-8730

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFTP1355US

MS DOCKET NO. MS315063.01

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Full Name of Inventor: David Wayne Flynt

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Inventor's Signature

Date

Full Name of Inventor: Bryan T. Agnetta

Citizenship: United States

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Seattle, Washington 98102

Inventor's Signature

Date

Full Name of Inventor: Sally Louise Barton

Citizenship: United Kingdom

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Date

PATENT APPLICATION

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06/16/2006
Date

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Inventor's Signature

Date

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Residence: Mercer Island, Washington

Post Office Address: 3763 77th PL SE

Mercer Island, Washington 98040

Inventor's Signature

Date

Electronic Patent Application Fee Transmittal

Application Number:

Filing Date:

Title of Invention:

TILE SPACE USER INTERFACE FOR MOBILE DEVICES

First Named Inventor:

David W. Flynt

Filer:

Himanshu Amin/Rebecca Stanford

Attorney Docket Number:

MS315063.01/MSFTP1355US

Filed as Large Entity

Utility Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	300	300
Utility Search Fee	1111	1	500	500
Utility Examination Fee	1311	1	200	200

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1000

Electronic Acknowledgement Receipt

EFS ID:	1080210
Application Number:	11424733
Confirmation Number:	8082
Title of Invention:	TILE SPACE USER INTERFACE FOR MOBILE DEVICES
First Named Inventor:	David W. Flynt
Customer Number:	27195
Filer:	Himanshu Amin/Rebecca Stanford
Filer Authorized By:	Himanshu Amin
Attorney Docket Number:	MS315063.01/MSFTP1355US
Receipt Date:	16-JUN-2006
Filing Date:	
Time Stamp:	16:59:00
Application Type:	Utility
International Application Number:	

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$ 1000
RAM confirmation Number	219
Deposit Account	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part	Pages
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1	Drawings	MS315063-01-Drawings.pdf	926465	no	15
Warnings:					
Information:					
2		MS315063-01-Application.pdf	184361	yes	28
	Multipart Description				
	Doc Desc		Start	End	
	Specification		1	24	
	Claims		25	27	
	Abstract		28	28	
Warnings:					
Information:					
3	Application Data Sheet	US_ADS_Form_SB_14.pdf	1297688	no	6
Warnings:					
Information:					
4	Oath or Declaration filed	MS315063-01-Exec-Dec.pdf	522068	no	6
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	8357	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			2938939		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.