

EXHIBIT 4.24

- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - A fee is required. ~~Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.~~
 - A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including

Application No. 11/677,958

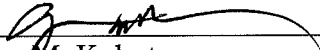
VIA EFS WEB
Patent
Docket No. 106842508604
Client Reference No. P3950USC13

extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 106842508604.

Dated:

4/21/10

Respectfully submitted,

By 
Glenn M. Kubota
Registration No.: 44,197
MORRISON & FOERSTER LLP
555 West Fifth Street
Los Angeles, California 90013-1024
(213) 892-5752

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	11/677,958
		Filing Date	February 22, 2007		
		First Named Inventor	Wayne WESTERMAN		
		Art Unit	2629		
		Examiner Name	Koosha Sharifi-Tafreshi		
Sheet	1	of	1	Attorney Docket Number	106842508604 Client Ref. No. P3950USC13

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US-4,237,421	12-02-1980	Waldron	
	2.	US-4,266,144	05-05-1981	Bristol	
	3.	US-4,291,303	09-22-1981	Cutler et al.	
	4.	US-4,561,002	12-24-1985	Chiu	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	5.	Notice of Allowance mailed March 23, 2010, for U.S. Patent Application No. 11/428,501, filed July 3, 2006, eight pages.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



NOTICE OF ALLOWANCE AND FEE(S) DUE

69753 7590 03/23/2010

APPLE C/O MORRISON AND FOERSTER ,LLP
LOS ANGELES
555 WEST FIFTH STREET SUITE 3500
LOS ANGELES, CA 90013-1024

EXAMINER
AMADIZ, RODNEY
ART UNIT PAPER NUMBER

2629
DATE MAILED: 03/23/2010

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

TITLE OF INVENTION: CAPACITIVE SENSING ARRANGEMENT

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

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)

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.

69753 7590 03/23/2010

**APPLE C/O MORRISON AND FOERSTER ,LLP
 LOS ANGELES
 555 WEST FIFTH STREET SUITE 3500
 LOS ANGELES, CA 90013-1024**

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.
11/428,501	07/03/2006	WAYNE WESTERMAN	10684-20086.02	4116

TITLE OF INVENTION: CAPACITIVE SENSING ARRANGEMENT

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	06/23/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
AMADIZ, RODNEY	2629	345-173000

<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>
---	---

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.
11/428,501 07/03/2006 WAYNE WESTERMAN 10684-20086.02 4116

EXAMINER

AMADIZ, RODNEY

ART UNIT PAPER NUMBER

2629

DATE MAILED: 03/23/2010

69753 7590 03/23/2010
APPLE C/O MORRISON AND FOERSTER ,LLP
LOS ANGELES
555 WEST FIFTH STREET SUITE 3500
LOS ANGELES, CA 90013-1024

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 436 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 436 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. 11/428,501	Applicant(s) WESTERMAN ET AL.	
Examiner RODNEY AMADIZ	Art Unit 2629	

-- 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 Applicant's Remarks filed on January 13, 2010.
- 2. The allowed claim(s) is/are 1-8.
- 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 See Continuation Sheet
- 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 _____.

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 10/14/09, 1/13/10, 2/5/10, 2/17/10.

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-8 are allowed.
2. The following is an examiner's statement of reasons for allowance: As to Claim 1, the prior art fails to teach or suggest, either alone or in combination, a sensing device comprising: "two series connected switches having a common node, an input node, and an output node; a dielectric-covered sensing electrode connected to the common node; a power supply connected to the input node; and a capacitor coupled to the output node to accumulate charge transferred from the sensing electrode during multiple cycles of the switches, wherein the charge transferred from the sensing electrode relates to a sensed object."

As to Claim 5, the prior art fails to teach or suggest, either alone or in combination, a sensing device comprising: " a power supply coupled to a first terminal of a first switch having a second terminal; a second switch having a first terminal coupled to the second terminal of the first switch at a dielectric covered electrode, the second switch further having second terminal; and a capacitor coupled to the second terminal of the second switch to accumulate charge transferred from the power supply by operation of the first and second switches, wherein the charge transferred from the power supply is representative of a sensed object."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Waldron	U.S. Patent 4,237,421 –Fig. 7
Bristol	U.S. Patent 4,266,144 – Fig. 2
Cutlet et al.	U.S. Patent 4,291,303 – Fig. 2
Chiu	U.S. Patent 4,561,002 - Fig. 2b & 4b

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RODNEY AMADIZ whose telephone number is (571)272-7762. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. 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.

/Sumati Lefkowitz/
Supervisory Patent Examiner, Art Unit 2629

/R. A./
Examiner, Art Unit 2629
02/24/10

Electronic Patent Application Fee Transmittal

Application Number:	11677958
Filing Date:	22-Feb-2007
Title of Invention:	Ellipse Fitting for Multi-Touch Surfaces
First Named Inventor/Applicant Name:	Wayne Westerman
Filer:	Glen Masashi Kubota/Lisa Bronk
Attorney Docket Number:	10684-25086.04

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:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	7462708
Application Number:	11677958
International Application Number:	
Confirmation Number:	1844
Title of Invention:	Ellipse Fitting for Multi-Touch Surfaces
First Named Inventor/Applicant Name:	Wayne Westerman
Customer Number:	69753
Filer:	Glen Masashi Kubota/Lisa Bronk
Filer Authorized By:	Glen Masashi Kubota
Attorney Docket Number:	10684-25086.04
Receipt Date:	21-APR-2010
Filing Date:	22-FEB-2007
Time Stamp:	20:02:56
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	7940
Deposit Account	031952
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)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2508604SIDSWFEE42110.pdf	150163 34f58218ab9f5f1c1c0c469320aea9265be64526	yes	4
Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Transmittal Letter			1	3	
Information Disclosure Statement (IDS) Filed (SB/08)			4	4	
Warnings:					
Information:					
2	NPL Documents	5_NOA_3_23_10.pdf	330896 d1671d9f76b45bdd56a72b11d82e50528cd21441	no	8
Warnings:					
Information:					
3	Fee Worksheet (PTO-875)	fee-info.pdf	30014 3c1fff1fff4de48702746b344b04e50b587d2e81	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			511073		
<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>					

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	62	ellipse near2 mapp\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:45
L2	7	l1 and touch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:48
L3	8250	345/173-178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:51
L4	2111	178/18.01,18.03,19.01,20.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:51
L5	786	715/863.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:51
L6	1115	ellipse near2 fit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:51
L7	151	(l1 L6).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:51
L8	6	7 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:52

L9	6	7 and (3 4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 12:52
L10	3	("4290061").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 13:01
L11	2	("5369228").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 13:01
L12	2	("5379057").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 13:02
L13	2	("6061177").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 13:02
L14	2	("5837947").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 13:03
L15	6	US-5886697-\$.DID. OR US-5995106-\$. DID. OR US-6154209-\$.DID. OR US- 6160551-\$.DID. OR US-6344861-\$.DID. OR US-7240289-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/10 13:05
L16	0	15 and ellip\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/10 13:06
L17	2	US-4237421-\$.DID. OR US-4266144-\$. DID.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/10 13:07
S1	1110	ellipse near2 fit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:37
S2	560	ellipse near2 fitting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:37

S3	230	S2 with (touch\$3 finger pixel image object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:38
S4	40	S3 and "345".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:38
S5	18595134	@ad<="19980126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:42
S6	22	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:43
S7	203	S1 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:45
S8	101746	touchscreen touch adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:45
S9	2	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:45
S10	17	S7 and (touch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:46
S11	69450	(hand finger) with (touch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:49
S12	58	S11 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:49

S13	560	ellipse near2 fitting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:57
S14	45	S13 with contour	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/29 08:57

EAST Search History (Interference)

< This search history is empty >

5/ 10/ 2010 1:24:41 PM

C:\Documents and Settings\KSHARI FI\My Documents\EAST\Workspaces\11677958_C.wsp

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	11/677,958
				Filing Date	February 22, 2007
				First Named Inventor	Wayne WESTERMAN
				Art Unit	2629
				Examiner Name	Koosha Sharifi-Tafreshi
Sheet	1	of	2	Attorney Docket Number	106842508604 Client Ref. No. P3950USC13

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1.	US-2009/0244031-A1		10-01-2009	Westerman et al.	
	2.	US-2009/0244032-A1		10-01-2009	Westerman et al.	
	3.	US-2009/0244033-A1		10-01-2009	Westerman et al.	
	4.	US-2009/0249236-A1		10-01-2009	Westerman et al.	
	5.	US-2009/0251435-A1		10-08-2009	Westerman et al.	
	6.	US-2009/0251438-A1		10-08-2009	Westerman et al.	
	7.	US-2009/0251439-A1		10-08-2009	Westerman et al.	
	8.	US-4,290,061		09-15-1981	Serrano	
	9.	US-5,327,161-A		07-05-1994	Logan et al.	
	10.	US-5,369,228-A		11-29-1994	Faust	
	11.	US-5,379,057-A		01-03-1995	Clough et al.	
	12.	US-5,581,276-A		12-03-1996	Cipolla et al.	
	13.	US-5,581,484-A		12-03-1996	Prince	
	14.	US-5,675,362-A		10-07-1997	Clough et al.	
	15.	US-5,729,249-A		03-17-1998	Yasutake	
	16.	US-5,837,947-A		11-17-1998	Teterwalk	
	17.	US-6,061,177-A		05-09-2000	Fujimoto	
	18.	US-7,084,859-B1		08-01-2006	Pryor	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
	19.	EP-0	546 704-A2, A3	06-16-1993	American Telephone & Telegraph		
	20.	JP-06-083523-A		03-25-1994	American Telephone & Telegraph	Translation of Abstract Only	
	21.	JP-06-332620-A		12-02-1994	Brother Ind. Ltd.	Translation of Abstract Only	
	22.	JP-07-057103-A		03-03-1995	Toshiba Corp.	Translation of Abstract Only	
	23.	JP-08-286830-A		11-01-1996	Fuji Xerox Co. Ltd.	Translation of Abstract Only	
	24.	WO-96/007981-A1		03-14-1996	Synaptics, Inc.		

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

la-1061140

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	11/677,958	
				Filing Date	February 22, 2007	
				First Named Inventor	Wayne WESTERMAN	
				Art Unit	2629	
				Examiner Name	Koosha Sharifi-Tafreshi	
Sheet	2	of	2	Attorney Docket Number	106842508604 Client Ref. No. P3950USC13	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	25.	CUI, Y. et al. (1996). "Hand Segmentation Using Learning-Based Prediction and Verification for Hand Sign Recognition," <i>Proceedings of the 1996 IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , pp. 88-93.	
	26.	Final Office Action mailed November 19, 2009, for U.S. Patent Application No. 11/428,515, filed July 3, 2006, 14 pages.	
	27.	Non-Final Office Action mailed August 25, 2009, for U.S. Patent Application No. 11/428,522, filed July 3, 2006, six pages.	
	28.	Non-Final Office Action mailed September 2, 2009, for U.S. Patent Application No. 11/559,736, filed November 14, 2006, 12 pages.	
	29.	Non-Final Office Action mailed October 5, 2009, for U.S. Patent Application No. 11/559,799, filed November 14, 2006, 14 pages.	
	30.	Non-Final Office Action mailed October 6, 2009, for U.S. Patent Application No. 11/559,763, filed November 14, 2006, 24 pages.	
	31.	Non-Final Office Action mailed October 14, 2009, for U.S. Patent Application No. 11/428,501, filed July 3, 2006, six pages.	
	32.	Non-Final Office Action mailed October 29, 2009, for U.S. Patent Application No. 11/559,822, filed November 14, 2006, 11 pages.	
	33.	Non-Final Office Action mailed October 30, 2009, for U.S. Patent Application No. 11/428,503, filed July 3, 2006, nine pages.	
	34.	Non-Final Office Action mailed December 22, 2009, for U.S. Patent Application No. 11/559,833, filed November 14, 2006, six pages.	
	35.	Non-Final Office Action mailed January 27, 2010, for U.S. Patent Application No. 11/428,522, filed July 3, 2006, five pages.	
	36.	Notice of Allowability mailed September 2, 2009, for U.S. Patent Application No. 11/428,506, filed July 3, 2006, five pages.	
	37.	RUBINE, D.H. (December 1991). "The Automatic Recognition of Gestures," CMU-CS-91-202, Submitted in Partial Fulfillment of the Requirements of the Degree of Doctor of Philosophy in Computer Science at Carnegie Mellon University, 285 pages.	

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	11/677,958	
			Filing Date	February 22, 2007	
			First Named Inventor	Wayne C. WESTERMAN	
			Art Unit	2629	
			Examiner Name	R. Hjerpe	
Sheet	1	of	9	Attorney Docket Number	106842508604

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	AA*	US-2002/0118848		08-29-2002	Karpenstein	
	AB*	US-2003/0006974		01-09-2003	Clough et al.	
	AC*	US-2003/0076301		04-24-2003	Tsuk et al.	
	AD*	US-2003/0076303		04-24-2003	Huppi	
	AE*	US-2003/0076306		04-24-2003	Zadesky et al.	
	AF*	US-2003/0095095		05-22-2003	Pihlaja	
	AG*	US-2003/0095096		05-22-2003	Robbin et al.	
	AH*	US-2003/0098858		05-29-2003	Perski et al.	
	AI*	US-2003/0206202		11-06-2003	Moriya	
	AJ*	US-2003/0234768		12-25-2003	Rekimoto et al.	
	AK*	US-2004/0263484		12-30-2004	Montysalo et al.	
	AL*	US-2005/0012723		01-20-2005	M. Pallakoff	
	AM*	US-2005/0052425		03-10-2005	Zadeski et al.	
	AN*	US-2005/0104867		05-19-2005	Westerman et al.	
	AO*	US-2005/0110768		05-26-2005	Marriott et al.	
	AP*	US-2006/0022955		02-02-2006	Kennedy	
	AQ*	US-2006/0022956		02-02-2006	Lengeling et al.	
	AR*	US-2006/0026521-A1		02-02-2006	Hotelling et al.	
	AS*	US-2006/0026535		02-02-2006	Hotelling et al.	
	AT*	US-2006/0026536		02-02-2006	Hotelling et al.	
	AU*	US-2006/0032680		02-16-2006	Elias et al.	
	AV*	US-2006/0033724		02-16-2006	Chaudhri et al.	
	AW*	US-2006/0053387		03-09-2006	Ording	
	AX*	US-2006/0066582		03-30-2006	Lyon et al.	
	AY*	US-2006/0085757		04-20-2006	Andre et al.	
	AZ*	US-2006/0097991-A1		05-11-2006	Hotelling et al.	
	AA1*	US-2006/0197753-A1		09-07-2006	Hotelling	
	AB1*	US-2006/0232567		10-19-2006	Westerman et al.	
	AC1*	US-2006/0238517		10-26-2006	King et al.	
	AD1*	US-2006/0238518		10-26-2006	Westerman et al.	
	AE1*	US-2006/0238519		10-26-2006	Westerman et al.	
	AF1*	US-2006/0238520		10-26-2006	Westerman et al.	
	AG1*	US-2006/0238521		10-26-2006	Westerman et al.	
	AH1*	US-2006/0238522		10-26-2006	Westerman et al.	
	AI1*	US-2007/0229464		10-04-2007	Hotelling et al.	
	AJ1*	US-2007/0236466		10-11-2007	Hotelling	
	AK1*	US-2007/0247429		10-25-2007	Westerman	
	AL1*	US-2007/0257890		11-08-2007	Hotelling et al.	
	AM1*	US-3,333,160		07-25-1967	Gorski	
	AN1*	US-3,541,541		11-17-1970	Engelhart	
	AO1*	US-3,662,105		05-09-1972	Hurst et al.	
	AP1*	US-3,798,370		03-19-1974	Hurst	
	AQ1*	US-4,246,452		01-20-1981	Chandler	
	AR1*	US-4,550,221		10-29-1985	Mabusth	
	AS1*	US-4,672,364		06-09-1987	Lucas	
	AT1*	US-4,672,558		06-09-1987	Beckes et al.	
	AU1*	US-4,692,809		09-08-1987	Beining et al.	

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	11/677,958	
			Filing Date	February 22, 2007	
			First Named Inventor	Wayne C. WESTERMAN	
			Art Unit	2629	
			Examiner Name	R. Hjerpe	
Sheet	2	of	9	Attorney Docket Number	106842508604

	AV1*	US-4,695,827	09-22-1987	Beining et al.	
	AW1*	US-4,733,222	03-22-1988	Evans	
	AX1*	US-4,734,685	03-29-1988	Watanabe	
	AY1*	US-4,746,770	05-24-1988	McAvinney	
	AZ1*	US-4,771,276	09-13-1988	Parks	
	AA2*	US-4,788,384	11-29-1988	Bruere-Dawson et al.	
	AB2*	US-4,806,846	02-21-1989	Kerber	
	AC2*	US-4,898,555	02-06-1990	Sampson	
	AD2*	US-4,968,877	11-06-1990	McAvinney et al.	
	AE2*	US-5,003,519	03-26-1991	Noirjean	
	AF2*	US-5,017,030	05-21-1991	Crews	
	AG2*	US-5,178,477	01-12-1993	Gambaro	
	AH2*	US-5,189,403	02-23-1993	Franz et al.	
	AI2*	US-5,194,862	03-16-1993	Edwards	
	AJ2*	US-5,224,861	07-06-1993	Glass et al.	
	AK2*	US-5,241,308	08-31-1993	Young	
	AL2*	US-5,252,951	10-12-1993	Tannenbaum et al.	
	AM2*	US-5,281,966	01-25-1994	Walsh	
	AN2*	US-5,305,017	04-19-1994	Gerpheide	
	AO2*	US-5,345,543	09-06-1994	Capps et al.	
	AP2*	US-5,376,948	12-27-1994	Roberts	
	AQ2*	US-5,398,310	03-14-1995	Tchao et al.	
	AR2*	US-5,442,742	08-15-1995	Greyson et al.	
	AS2*	US-5,463,388	10-31-1995	Boie et al.	
	AT2*	US-5,463,696	10-31-1995	Beernink et al.	
	AU2*	US-5,483,261	01-09-1996	Yasutake	
	AV2*	US-5,488,204-A	01-30-1996	Mead et al.	
	AW2*	US-5,495,077	02-27-1996	Miller et al.	
	AX2*	US-5,513,309	04-30-1996	Meier et al.	
	AY2*	US-5,523,775	06-04-1996	Capps, S.	
	AZ2*	US-5,530,455	06-25-1996	Gillick et al.	
	AA3*	US-5,543,590	08-06-1996	Gillespie, et al.	
	AB3*	US-5,543,591	08-06-1996	Gillespie et al.	
	AC3*	US-5,563,632	10-08-1996	Roberts	
	AD3*	US-5,563,996	10-08-1996	Tchao	
	AE3*	US-5,565,658-A	10-15-1996	Gerpheide et al.	
	AF3*	US-5,579,036	11-26-1996	Yates, IV	
	AG3*	US-5,581,681	12-03-1996	Tchao et al.	
	AH3*	US-5,583,946	12-10-1996	Gourdol	
	AI3*	US-5,590,219	12-31-1996	Gourdol	
	AJ3*	US-5,592,566	01-07-1997	Pagallo et al.	
	AK3*	US-5,594,810	01-14-1997	Gourdol	
	AL3*	US-5,596,694	01-21-1997	Capps	
	AM3*	US-5,612,719	03-18-1997	Beernink et al.	
	AN3*	US-5,625,715	04-29-1997	Trew et al.	
	AO3*	US-5,631,805	05-20-1997	Bonsall	
	AP3*	US-5,633,955	05-27-1997	Bozinovic et al.	
	AQ3*	US-5,634,102	05-27-1997	Capps	
	AR3*	US-5,636,101	06-03-1997	Bonsall et al.	
	AS3*	US-5,642,108	06-24-1997	Gopher et al.	
	AT3*	US-5,644,657	07-01-1997	Capps et al.	

la-1008936

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO		Complete if Known	
		Application Number	11/677,958
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	February 22, 2007
		First Named Inventor	Wayne C. WESTERMAN
		Art Unit	2629
		Examiner Name	R. Hjerpe
		Attorney Docket Number	106842508604
Sheet	3	of	9
<i>(Use as many sheets as necessary)</i>			

AU3*	US-5,666,113	09-09-1997	Logan	
AV3*	US-5,666,502	09-09-1997	Capps	
AW3*	US-5,666,552	09-09-1997	Grayson et al.	
AX3*	US-5,675,361	10-07-1997	Santilli	
AY3*	US-5,677,710	10-14-1997	Thompson- Rohrlich	
AZ3*	US-5,689,253	11-18-1997	Hargreaves et al.	
AA4*	US-5,710,844	01-20-1998	Capps et al.	
AB4*	US-5,729,250	03-17-1998	Bishop et al.	
AC4*	US-5,730,165	03-24-1998	Philipp	
AD4*	US-5,736,976	04-07-1998	Cheung	
AE4*	US-5,741,990	04-21-1998	Davies	
AF4*	US-5,745,116	04-28-1998	Pisutha-Amond	
AG4*	US-5,745,716	04-28-1998	Tchao et al.	
AH4*	US-5,746,818	05-05-1998	Yatake	
AI4*	US-5,748,184	05-05-1998	Shieh	
AJ4*	US-5,748,269	05-05-1998	Harris et al.	
AK4*	US-5,764,222	06-09-1998	Shieh	
AL4*	US-5,767,457	06-16-1998	Shieh	
AM4*	US-5,767,842	06-16-1998	Korth	
AN4*	US-5,790,104	08-04-1998	Shieh	
AO4*	US-5,790,107-A	08-04-1998	Kasser et al.	
AP4*	US-5,802,516	09-01-1998	Shwartz et al.	
AQ4*	US-5,808,567	09-15-1998	McCloud	
AR4*	US-5,809,267	09-15-1998	Moran et al.	
AS4*	US-5,821,690	10-13-1998	Martens et al.	
AT4*	US-5,821,930	10-13-1998	Hansen	
AU4*	US-5,823,782	10-20-1998	Marcus et al.	
AV4*	US-5,825,351	10-20-1998	Tam	
AW4*	US-5,825,352-A	10-20-1998	Bisset et al.	
AX4*	US-5,835,079	11-10-1998	Shieh	
AY4*	US-5,854,625	12-29-1998	Frisch et al.	
AZ4*	US-5,880,411-A	03-09-1999	Gillespie et al.	
AB5*	US-5,898,434	04-27-1999	Small et al.	
AC5*	US-5,920,309	07-06-1999	Bissett et al.	
AD5*	US-5,923,319	07-13-1999	Bishop et al.	
AE5*	US-5,933,134	08-03-1999	Shieh	
AF5*	US-5,943,044	08-24-1999	Martinelli et al.	
AG5*	US-6,002,389	12-14-1999	Kasser	
AH5*	US-6,002,808	12-14-1999	Freeman	
AI5*	US-6,020,881	02-01-2000	Naughton et al.	
AJ5*	US-6,031,524	02-29-2000	Kunert	
AK5*	US-6,037,882	03-14-2000	Levy	
AL5*	US-6,050,825	04-18-2000	Nichol et al.	
AM5*	US-6,052,339	04-18-2000	Frenkel et al.	
AN5*	US-6,072,494	06-06-2000	Nguyen	
AO5*	US-6,084,576	07-04-2000	Leu et al.	
AP5*	US-6,107,997	08-22-2000	M.J. Ure	
AQ5*	US-6,128,003	10-03-2000	Smith, et al.	
AR5*	US-6,131,299	10-17-2000	Raab et al.	
AS5*	US-6,135,958	10-24-2000	Mikula-Curtis et al.	
AT5*	US-6,144,380	11-07-2000	Schwartz et al.	

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	11/677,958
		Filing Date	February 22, 2007
		First Named Inventor	Wayne C. WESTERMAN
		Art Unit	2629
		Examiner Name	R. Hjerpe
Sheet	4	of	9
		Attorney Docket Number	106842508604

	AU5*	US-6,188,391-B1	02-13-2001	Seely, et al.	
	AV5*	US-6,188,391	02-13-2001	Seely et al.	
	AW5*	US-6,198,515	03-06-2001	Cole	
	AX5*	US-6,208,329	03-27-2001	Ballare	
	AY5*	US-6,222,465	04-24-2001	Kumar et al.	
	AZ5*	US-6,239,790	05-29-2001	Martinelli et al.	
	AA6*	US-6,243,071	06-05-2001	Shwarts et al.	
	AB6*	US-6,246,862	06-12-2001	Grivas et al.	
	AC6*	US-6,249,606	06-19-2001	Kiraly et al.	
	AD6*	US-6,278,443-B1	08-21-2001	Amro et al.	
	AE6*	US-6,288,707	09-11-2001	Philipp	
	AF6*	US-6,289,326	09-11-2001	LaFleur	
	AG6*	US-6,292,178	09-18-2001	Bernstein et al.	
	AH6*	US-6,323,846-B1	11-27-2001	Westerman et al.	
	AI6*	US-6,323,849	11-27-2001	Westerman et al.	
	AJ6*	US-6,347,290	02-12-2002	Bartlett	
	AK6*	US-6,377,009	04-23-2002	Philipp	
	AL6*	US-6,380,931	04-30-2002	Gillespie et al.	
	AM6*	US-6,411,287	06-25-2002	Scharff et al.	
	AN6*	US-6,414,671	07-02-2002	Gillespie et al.	
	AO6*	US-6,421,234	07-16-2002	Ricks et al.	
	AP6*	US-6,452,514	09-17-2002	Philipp	
	AQ6*	US-6,457,355	10-01-2002	Philipp	
	AR6*	US-6,466,036	10-15-2002	Philipp	
	AS6*	US-6,515,669	02-04-2003	Mohri	
	AT6*	US-6,525,749	02-25-2003	Moran et al.	
	AU6*	US-6,535,200	03-18-2003	Philipp	
	AV6*	US-6,543,684	04-08-2003	White et al.	
	AW6*	US-6,543,947	04-08-2003	Lee	
	AX6*	US-6,570,557	05-27-2003	Westerman et al.	
	AY6*	US-6,593,916	07-15-2003	Aroyan	
	AZ6*	US-6,610,936	08-26-2003	Gillespie et al.	
	AA7*	US-6,624,833	09-23-2003	Kumar et al.	
	AB7*	US-6,639,577	10-28-2003	Eberhard	
	AC7*	US-6,650,319	11-18-2003	Hurst et al.	
	AD7*	US-6,658,994	12-09-2003	McMillan	
	AE7*	US-6,670,894	12-30-2003	Mehring	
	AF7*	US-6,677,932	01-13-2004	Westerman	
	AG7*	US-6,677,934	01-13-2004	Blanchard	
	AH7*	US-6,724,366	04-20-2004	Crawford	
	AI7*	US-6,757,002	06-29-2004	Oross et al.	
	AJ7*	US-6,803,906	10-12-2004	Morrison et al.	
	AK7*	US-6,842,672	01-11-2005	Straub et al.	
	AL7*	US-6,856,259	02-15-2005	Sharp	
	AM7*	US-6,888,536	05-03-2005	Westerman et al.	
	AN7*	US-6,900,795	05-31-2005	Knight, III et al.	
	AO7*	US-6,927,761	08-09-2005	Badaye et al.	
	AP7*	US-6,942,571	09-13-2005	McAllister et al.	
	AQ7*	US-6,965,375	11-15-2005	Gettemy et al.	
	AR7*	US-6,972,401	12-06-2005	Akitt et al.	

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	11/677,958	
			Filing Date	February 22, 2007	
			First Named Inventor	Wayne C. WESTERMAN	
			Art Unit	2629	
			Examiner Name	R. Hjerpe	
Sheet	5	of	9	Attorney Docket Number	106842508604

	AS7*	US-6,977,666	12-20-2005	Hedrick	
	AT7*	US-6,985,801	01-10-2006	Straub et al.	
	AU7*	US-6,992,659	01-31-2006	Gettemy	
	AV7*	US-7,031,228	04-18-2006	Born et al.	
	AW7*	US-7,129,416	10-31-2006	Steinfeld, et al.	
	AX7*	US-7,339,580	03-04-2008	Westerman et al.	
	AY7*	US-RE40,153	03-18-2008	Westerman et al.	
	AZ7	US-2003/164820	09-04-2003	Kent	
	AA8	US-2003/132950	08-17-2003	Surucu et al.	
	AB8	US-5,883,619	03-1999	Ho et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
	BA	CA-1243096		10-11-1988	LAITRAM CORP		
	BB	EP-1014295		01-09-2002	TOKAI RIKA CO LTD		
	BC	WO-92/02000		02-06-1992	British Telecommunications Public Limited Company		√
	BD	EP-0288692		07-14-1993	IBM		
	BE	EP-0664504		01-24-1995	US WEST TECHNOLOGIES INC		
	BF	EP-0464908		09-04-1996	PHILIPS ELECTRONICS UK LTD; PHILIPS NV		
	BG	WO-97/018547		05-22-1997	Ure		
	BH	WO-97/023738		07-03-1997	Philipp		
	BI	WO-97/36225		10-02-1997	Synaptics Inc.		√
	BJ	WO-97/40744		11-06-1997	Philips Electronics N.V.		√
	BK	WO-98/14863		04-09-1998	PHILIPS ELECTRONICS NV; PHILIPS NORDEN AB		
	BL	WO-03/088176		10-23-2003	SYNAPTICS INC		
	BM	DE-10251296-A1		05-19-2004			
	BN	WO-WO06/023569		03-02-2006	FINGERWORKS INC		
	BO	GB-2330670 A		04-28-1999	Sony United Kingdom Limited		√

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/25/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	CA	US Patent Application No. 10/654,108 filed on September 2, 2003 entitled "Ambidextrous	

1a-1008936

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	11/677,958	
				Filing Date	February 22, 2007	
				First Named Inventor	Wayne C. WESTERMAN	
				Art Unit	2629	
				Examiner Name	R. Hjerpe	
Sheet	6	of	9	Attorney Docket Number	106842508604	

		Mouse"	
CB		US Patent Application No. 10/789,676 filed on February 27, 2004 entitled "Shape Detecting Input Device"	
CC		"4-Wire Resistive Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-4resistive.html generated August 5, 2005	
CD		"5-Wire Resistive Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-resistive.html generated August 5, 2005	
CE		"A Brief Overview of Gesture Recognition" obtained from http://www.dai.ed.ac.uk/Cvonline/LOCA_COPIES/COHEN/gesture_overview.html , generated April 20, 2004	
CF		"Capacitive Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-capacitive.html generated August 5, 2005	
CG		"Capacitive Position Sensing" obtained from http://www.synaptics.com/technology/cps.cfm generated August 5, 2005	
CH		"Comparing Touch Technologies" obtained from http://www.touchscreens.com/intro-touchtypes.html generated October 10, 2004	
CI		"Gesture Recognition" http://www.fingerworks.com/gesture_recognition.html	
CJ		"GlidePoint®" obtained from http://www.cirque.com/technology/technology_gp.html generated August 5, 2005	
CK		"How do touchscreen monitors know where you're touching?" obtained from http://www.electronics.howstuffworks.com/question716.html generated August 5, 2005	
CL		"How does a touchscreen work?" obtained from http://www.touchscreens.com/intro-anatomy.html generated August 5, 2005	
CM		"iGesture Products for Everyone (learn in minutes) Product Overview" FingerWorks.com	
CN		"Infrared Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-infrared.html generated August 5, 2005	
CO		"Mouse Emulation" FingerWorks obtained from http://www.fingerworks.com/gesture_guide_mouse.html generated August 30, 2005	
CP		"Mouse Gestures in Opera" obtained from http://www.opera.com/products/desktop/mouse/index.dml generated August 30, 2005	
CQ		"Mouse Gestures," Optim oz, May 21, 2004	
CR		"MultiTouch Overview" FingerWorks obtained from http://www.fingerworks.com/multoverview.html generated August 30, 2005	
CS		"Near Field Imaging Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-nfi.html generated August 5, 2005	
CT		"PenTouch Capacitive Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-pentouch.html generated August 5, 2005	
CU		"Surface Acoustic Wave Touchscreens" obtained from http://www.touchscreens.com/intro-touchtypes-saw.html generated August 5, 2005	
CV		"Symbol Commander" obtained from http://www.sensiva.com/symbolcomander/ , generated August 30, 2005	
CW		"Tips for Typing" FingerWorks http://www.fingerworks.com/mini_typing.html generated August 30, 2005	
CX		"Touch Technologies Overview" 2001, 3M Touch Systems, Massachusetts	
CY		"Wacom Components - Technology" obtained from http://www.wacom-components.com/english/tech.asp generated on October 10, 2004	
CZ		"Watershed Algorithm" http://rsb.info.nih.gov/ij/plugins/watershed.html generated August 5, 2005	

Date with at least year is missing for CI and CM

la-1008936

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	11/677,958
		Filing Date	February 22, 2007
		First Named Inventor	Wayne C. WESTERMAN
		Art Unit	2629
		Examiner Name	R. Hjerpe
Sheet	7	of	9
		Attorney Docket Number	106842508604

CA1	"FingerWorks - Gesture Guide - Application Switching," obtained from http://www.fingerworks.com/gesture_guide_apps.html , generated on 08/27/2004, 1-pg	
CB1	"FingerWorks - Gesture Guide - Editing," obtained from http://www.fingerworks.com/gesture_guide_editing.html , generated on 08/27/2004, 1-pg	
CC1	"FingerWorks - Gesture Guide - File Operations," obtained from http://www.fingerworks.com/gesture_guide_files.html , generated on 08/27/2004, 1-pg	
CD1	"FingerWorks - Gesture Guide - Text Manipulation," obtained from http://www.fingerworks.com/gesture_guide_text_manip.html , generated on 08/27/2004, 2-pg	
CE1	"FingerWorks - Gesture Guide - Tips and Tricks," obtained from http://www.fingerworks.com/gesture_guide_tips.html , generated 08/27/2004, 2-pgs	
CF1	"FingerWorks - Gesture Guide - Web," obtained from http://www.fingerworks.com/gesture_guide_web.html , generated on 08/27/2004, 1-pg	
CG1	"FingerWorks - Guide to Hand Gestures for USB Touchpads," obtained from http://www.fingerworks.com/igesture_userguide.html , generated 08/27/2004, 1-pg	
CH1	"FingerWorks - iGesture - Technical Details," obtained from http://www.fingerworks.com/igesture_tech.html , generated 08/27/2004, 1-pg	
CI1	"FingerWorks - The Only Touchpads with Ergonomic Full-Hand Resting and Relaxation!" obtained from http://www.fingerworks.com/resting.html , Copyright 2001, 1-pg	
CJ1	"FingerWorks - Tips for Typing on the Mini," obtained from http://www.fingerworks.com/mini_typing.html , generated on 08/27/2004, 2-pgs	
CK1	"iGesture Pad - the MultiFinger USB TouchPad with Whole-Hand Gestures," obtained from http://www.fingerworks.com/igesture.html , generated 08/27/2004, 2-pgs	
CL1	Bier, et al., "Toolglass and Magic Lenses: The see-through interface" In James Kijiyi, editor, <i>Computer Graphics (SIGGRAPH '93 Proceedings)</i> , volume 27, pages 73-80, August 1993	
CM1	BUXTON, W. et al. (July 22, 1985). "Issues and Techniques in Touch-Sensitive Tablet Input," <i>Proceedings ACM Siggraph</i> , pp. 215-224.	√
CN1	CUTLER, L.D. et al. (April 27, 1997). "Two-Handed Direct Manipulation on the Responsive Workbench," <i>Proceedings of the 1997 Symposium on Interactive 3D Graphics</i> , Providence, RI, April 27-30, 1997, pp.107-114.	√
CO1	DAVIS, J. et al. (October 31, 1994). "Determining 3-D Hand Motion," <i>Signals, Systems and Computers, 1994 Conference Record of the 28th Asilomar Conference on Pacific Grove, CA</i> , October 31 - November 2, 1994, Los Alamitos, CA, pp. 1262-1266.	√
CP1	Douglas et al., <i>The Ergonomics of Computer Pointing Devices</i> (1997)	
CQ1	European Search Report received in EP 1 621 989 (@ Beyer Weaver & Thomas, LLP) dated March 27, 2006	
CR1	EVB ELEKTRONIK "TSOP6238 IR Receiver Modules for Infrared Remote Control Systems" dated 01/2004 1-pg	
CS1	Fisher et al., "Repetitive Motion Disorders: The Design of Optimal Rate- Rest Profiles," <i>Human Factors</i> , 35(2):283-304 (Jun. 1993)	
CT1	Fukumoto, et al., "ActiveClick: Tactile Feedback for Touch Panels," In CHI 2001 Summary, pages 121-122, 2001	
CU1	Fukumoto and Yoshinobu Tonomura, "Body Coupled Fingering: Wireless Wearable Keyboard," <i>CHI 97</i> , pp. 147-154 (Mar. 1997)	
CV1	Hardy, "Fingerworks" March 7, 2002; BBC World On Line	
CW1	Hillier and Gerald J. Lieberman, <i>Introduction to Operations Research</i> (1986)	
CX1	Jacob et al., "Integrality and Separability of Input Devices," <i>ACM Transactions on Computer-Human Interaction</i> , 1:3-26 (Mar. 1994)	
CY1	Kinkley et al., "Touch-Sensing Input Devices," in CHI '99 Proceedings, pp 223-230, 1999	
CA2	KIONX "KXP84 Series Summary Data Sheet" copyright 2005,dated 10/21/2005, 4-pgs	

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	11/677,958	
			Filing Date	February 22, 2007	
			First Named Inventor	Wayne C. WESTERMAN	
			Art Unit	2629	
			Examiner Name	R. Hjerpe	
Sheet	8	of	9	Attorney Docket Number	106842508604

	CB2	Lee et al., "A Multi-Touch Three Dimensional Touch-Sensitive Tablet," in CHI '85 Proceedings, pages 121-128, 2000	
	CC2	Lee, "A Fast Multiple-Touch-Sensitive Input Device," Master's Thesis, University of Toronto (1984)	
	CD2	LEE, S.K. et al. (April 1985). "A Multi-Touch Three Dimensional Touch-Sensitive Tablet," <i>Proceedings of CHI: ACM Conference on Human Factors in Computing Systems</i> , pp. 21-25.	√
	CE2	Matsushita et al., "HoloWall: Designing a Finger, Hand, Body and Object Sensitive Wall," In Proceedings of UIST '97, October 1997	
	CF2	PAVLOVIC, V.I. et al. (July 1997). "Visual Interpretation of Hand Gestures for Human-Computer Interaction: A Review," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> 19(7):677-695.	√
	CG2	Quantum Research Group "QT510 / QWheel™ Touch Slider IC" copyright 2004-2005, 14-pgs	
	CH2	Quek, "Unencumbered Gestural Interaction," <i>IEEE Multimedia</i> , 3:36-47 (Winter 1996)	
	CI2	Radwin, "Activation Force and Travel Effects on Overexertion in Repetitive Key Tapping," <i>Human Factors</i> , 39(1):130-140 (Mar. 1997)	
	CJ2	Rekimoto "SmartSkin: An Infrastructure for Freehand Manipulation on Interactive Surfaces" CHI 2002, April 20-25, 2002	
	CK2	Rekimoto et al., "ToolStone: Effective Use of the Physical Manipulation Vocabularies of Input Devices," In Proc. Of UIST 2000, 2000	
	CL2	Rubine et al., "Programmable Finger-Tracking Instrument Controllers," <i>Computer Music Journal</i> , vol. 14, No. 1 (Spring 1990)	
	CM2	Rutledge et al., "Force-To-Motion Functions For Pointing," Human-Computer Interaction - INTERACT (1990)	
	CN2	Subatai Ahmad, "A Usable Real-Time 3D Hand Tracker," Proceedings of the 28th Asilomar Conference on Signals, Systems and Computers - Part 2 (of2), Vol. 2 (October 1994)	
	CO2	TEXAS INSTRUMENTS "TSC2003 / I2C Touch Screen Controller" Data Sheet SBAS 162, dated October 2001, 20-pgs	
	CP2	Wellner, "The Digital Desk Calculators: Tangible Manipulation on a Desk Top Display" IN ACM UIST '91 Proceedings, Pages 27-34, November 1991	
	CQ2	Williams, "Applications for a Switched-Capacitor Instrumentation Building Block" Linear Technology Application Note 3, July 1985, pp. 1-16	
	CR2	Yamada et al., "A Switched-Capacitor Interface for Capacitive Pressure Sensors" IEEE Transactions on Instrumentation and Measurement, Vol. 41, No. 1, February 1992, pp.81-86	
	CS2	Yeh et al., "Switched Capacitor Interface Circuit for Capacitive Transducers" 1985 IEEE	
	CT2	Zhai et al., "Dual Stream Input for Pointing and Scrolling," <i>Proceedings of CHI '97 Extended Abstracts</i> (1997)	
	CU2	Zimmerman et al., "Applying Electric Field Sensing to Human-Computer Interfaces," In CHI '85 Proceedings, Pages 280-287, 1995	
	CV2	International Search Report received in corresponding PCT application number PCT/US2006/008349 dated October 6, 2006	√
	CW2	International search report for PCT/US99/01454, mailed May 14, 1999.	√
	CX2	European supplementary search report for European Patent Application No. 99904228.6, mailed February 16, 2005.	√
	CY2	Supplementary European search report for U.S. patent Application No. 99904228.6, mailed July 8, 2005.	√
	CZ2	European examination report for European patent Application No. 99904228.6, mailed April 20, 2006.	√

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	11/677,958	
				Filing Date	February 22, 2007	
				First Named Inventor	Wayne C. WESTERMAN	
				Art Unit	2629	
				Examiner Name	R. Hjerpe	
Sheet	9	of	9	Attorney Docket Number	106842508604	

CA3	European examination report for European Patent Application No. 99904228.6, mailed March 23, 2007.		√
CB3	Extended European search report for European Patent Application No. 06016858.0, mailed December 21, 2007.		√
CC3	Extended European search report for European Patent Application No. 06016856.4, mailed March 14, 2008.		√
CD3	European examination report for European Patent Application No. 06016830.9, mailed August 6, 2008.		√
CD4	European search report for European Patent Application No. 06016830.9 mailed December 3, 2007		√
CD5	European examination report for European Patent Application No. 06016856.4 mailed September 16, 2008		√

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/25/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	11/677,958	
Sheet		1	of	1	Filing Date	February 22, 2007
					First Named Inventor	Wayne WESTERMAN
					Art Unit	2629
					Examiner Name	Koosha Sharifi-Tafreshi
					Attorney Docket Number	106842508604 Client Ref. No. P3950USC13

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1.	US-4,237,421		12-02-1980	Waldron	
	2.	US-4,266,144		05-05-1981	Bristol	
	3.	US-4,291,303		09-22-1981	Cutler et al.	
	4.	US-4,561,002		12-24-1985	Chiu	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	5.	Notice of Allowance mailed March 23, 2010, for U.S. Patent Application No. 11/428,501, filed July 3, 2006, eight pages.	

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALTERNATIVE TO PTO/SB/08A/B
(Based on PTO 08-08 version)

Substitute for form 1449/PTO		Complete if Known	
		Application Number	11/677,958
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	February 22, 2007
		First Named Inventor	Wayne WESTERMAN
		Art Unit	2629
		Examiner Name	Koosha Sharifi-Tafreshi
		Attorney Docket Number	106842508604 Client Ref. No. P3950USC13
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US-5,886,697-A	03-23-1999	Naughton et al.	
	2.	US-5,995,106-A	11-30-1999	Naughton et al.	
	3.	US-6,154,209-A	11-28-2000	Naughton et al.	
	4.	US-6,160,551-A	12-12-2000	Naughton et al.	
	5.	US-6,344,861-B1	02-05-2002	Naughton et al.	
	6.	US-7,240,289-B2	07-03-2007	Naughton et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	7.	JP-2000-163031-A	06-16-2000	Seiko Epson Corp.		<input checked="" type="checkbox"/>

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.


NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	8.	European Search Report mailed February 17, 2010, for EP Application No. 06016857.2, six pages.	
	9.	European Search Report mailed February 24, 2010, for EP Application No. 06016833.3, nine pages.	
	10.	SUN MICROSYSTEMS. (1992). "The Star7 PDA Prototype," located at < http://www.youtube.com/watch?v=Ahg8OBYixL0 > last visited January 15, 2010, seven pages.	
	11.	TOMITA, A. Jr. et al. (November 9, 1997). "An Image Processing Method for Use in a GUI for the Visually Impaired," <i>Proceedings of the IECON '97: 23rd International Conference on Industrial Electronics, Control and Instrumentation</i> , New Orleans, LA, November 9 - 14, 1997, pp. 264-268.	

Examiner Signature	/Koosha Sharifi-tafreshi/	Date Considered	05/10/2010
--------------------	---------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

la-1066389 ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.S./


Search Notes 	Application/Control No. 11677958	Applicant(s)/Patent Under Reexamination WESTERMAN ET AL.
	Examiner Koosha Sharifi	Art Unit 2629

SEARCHED			
Class	Subclass	Date	Examiner
345	173-178	12/14/2009	ks
178	18.01,18.03,19.01,20.01	12/14/2009	ks
715	863	12/14/2009	ks
	Updated above	5/10/2010	ks

SEARCH NOTES		
Search Notes	Date	Examiner
EAST	12/14/2009	ks
Updated EAST	5/10/2010	ks

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
	Searched all of the above	5/10/2010	ks

/K. S./ Examiner.Art Unit 2629	
-----------------------------------	--

Index of Claims 	Application/Control No. 11677958	Applicant(s)/Patent Under Reexamination WESTERMAN ET AL.
	Examiner Koosha Sharifi	Art Unit 2629

✓	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	10/19/2009	12/14/2009	05/10/2010					
	1	+	✓	=					
	2	+	✓	=					
	3	+	✓	=					
	4	+	✓	=					
	5	+	O	=					
	6	+	✓	=					
	7	+	✓	=					
	8	+	✓	=					
	9	+	O	=					
	10	+	✓	=					
	11	+	✓	=					
	12	+	✓	=					
	13	+	✓	=					
	14	+	✓	=					
	15	+	O	=					
	16	+	✓	=					
	17	+	✓	=					
	18	+	✓	=					
	19	+	✓	=					
	20	+	O	=					
	21	+	✓	=					
	22	+	✓	=					
	23	+	✓	=					
	24	+	✓	=					
	25	+	✓	=					
	26	+	✓	=					
	27	+	✓	=					
	28	+	✓	=					
	29	+	✓	=					
	30	+	✓	=					
	31	+	✓	=					
	32	+	✓	=					
	33	+	✓	=					
	34	+	✓	=					
	35	+	✓	=					



NOTICE OF ALLOWANCE AND FEE(S) DUE

69753 7590 06/21/2010

APPLE C/O MORRISON AND FOERSTER ,LLP
LOS ANGELES
555 WEST FIFTH STREET SUITE 3500
LOS ANGELES, CA 90013-1024

EXAMINER
SHARIFI-TAFRESHI, KOOSHA
ART UNIT PAPER NUMBER

2629
DATE MAILED: 06/21/2010

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

TITLE OF INVENTION: ELLIPSE FITTING FOR MULTI-TOUCH SURFACES

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

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)

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.

69753 7590 06/21/2010

**APPLE C/O MORRISON AND FOERSTER ,LLP
 LOS ANGELES
 555 WEST FIFTH STREET SUITE 3500
 LOS ANGELES, CA 90013-1024**

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.
11/677,958	02/22/2007	Wayne Westerman	10684-25086.04	1844

TITLE OF INVENTION: ELLIPSE FITTING FOR MULTI-TOUCH SURFACES

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	09/21/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHARIFI-TAFRESHI, KOOSHA	2629	345-173000

<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>
---	---

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. Includes application details for Apple C/O Morrison and Foerster, LLP and examiner information.

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 494 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 494 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. 11/677,958	Applicant(s) WESTERMAN ET AL.	
Examiner Koosha Sharifi	Art Unit 2629	

-- 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 02/24/2010.
- 2. The allowed claim(s) is/are 1-35.
- 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 See Continuation Sheet
- 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 _____.

/K. S./
Examiner, Art Unit 2629

/Amare Mengistu/
Supervisory Patent Examiner, Art Unit 2629

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 02/24/2010, 03/11/2010, 04/21/2010, 12/12/2008.

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-35 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1:

The prior art does not teach or suggest:

"...mathematically fitting an ellipse to at least one of the pixel groups."

Regarding claims 2-9 and 23:

Claims 2-9 and 23 depend on claim 1 and are found allowable for at least the same reason as discussed above.

Regarding claim 10:

The prior art does not teach or suggest:

"...mathematically fit an ellipse to at least one or more pixel groups."

Regarding claims 11-22:

Claims 11-12 depend on claim 10 and are found allowable for at least the same reason as discussed above.

Regarding claim 24:

The prior art does not teach or suggest:

"...means for fitting an ellipse to at least one of the pixel groups."

Regarding claims 25-35:

Claims 25-35 depend on claim 24 and are found allowable for at least the same reason as discussed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Telephone inquire

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Koosha Sharifi whose telephone number is (571) 270-5897. The examiner can normally be reached on Mon - Fri / 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on (571) 272-7674. 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.

Koosha Sharifi
Examiner
Art Unit 2629

/K. S./
Examiner, Art Unit 2629

/Amare Mengistu/
Supervisory Patent Examiner, Art Unit 2629

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	11/677,958
				Filing Date	February 22, 2007
				First Named Inventor	Wayne WESTERMAN
				Art Unit	2629
				Examiner Name	Koosha Sharifi-Tafreshi
Sheet	1	of	1	Attorney Docket Number	106842508604 Client Ref. No. P3960USC13

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

Examiner Signature		Date Considered	
--------------------	--	-----------------	--


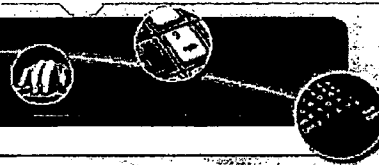


*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), 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 ²
	1.	"Gesture Recognition," (2006). Located at < http://www.fingerworks.com/gesture_recognition.html >, last visited July 25, 2006, two pages.	
	2.	"iGesture Products for Everyone (learn in minutes) Product Overview," (2005). Located at < http://www.fingerworks.com/ >, last visited August 30, 2005, six pages.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Gesture Recognition

Proximity Sensor Array

The heart of FingerWorks' patented MultiTouch technology is a unique, 2-dimensional proximity sensor array that produces images of fingers and hands near or touching its surface. Accompanying software then recognizes and tracks all the fingers and hands moving on the surface.

Traditional touchpad and touchscreen sensing technologies, in comparison, can only track motions of a single finger, and become confused if more than one finger ever touches. This means these old technologies don't let the fingers work together as a whole hand, as the fingers naturally do with all other handheld tools. Also, traditional touchpads don't spread the workload evenly amongst the fingers the way MultiTouch does, to avoid repetitive stress on one finger.

FingerWorks products include a low-power on-board microprocessor whose first job is to collect and process image data from the MultiTouch sensing surface. It then recognizes, tracks, and interprets finger and hand motion, ultimately generating mouse or key sequences for the host computer's USB port. All FingerWorks products emulate standard USB keyboard & USB mouse, so they simply plug & play on Windows, Mac OS, Linux, and newer Unix operating systems.

Rich Gesture Capability

MultiTouch technology used as a computer input device provides many new capabilities and benefits. It gives the computer user much more control of graphical and text objects while providing the same functionality of the keyboard and mouse. MultiTouch also eliminates the need to reach for a mouse by providing an interface that enables normal typing and mouse operations over its entire surface. Pointing, gestures, and keys are always available right under the fingers, minimizing wasteful hand motion:

- o Touching 1 finger at a time is recognized as a keystroke command.
- o Simultaneously dropping two fingertips on the surface initiates pointing.
- o Simultaneous thumb and fingertip motions become gesture commands.

MultiTouch can receive and interpret input anywhere on its surface. Operations like copy, cut, paste, save, open, close, scroll, zoom, pan and a host of other multi-key commands are all done with simple, easy-to-repeat, and easy-to-learn gestures.

The number of gestures that MultiTouch recognizes is quite large. Hand translation, rotation, scaling, and wobble motions provide about 12 unique gestures for each finger combination (chord). Since MultiTouch distinguishes about a dozen chords per hand, FingerWorks products can recognize over a hundred simple gestures per hand! Sound like a lot to memorize? Most people just learn the gestures for the commands they need often. Also, each group of gestures is easily learned as a chunk (rather than memorizing one gesture at a time) because gestures with complementary motions invoke complementary, intuitively related commands. *e.g.*, Undo & Redo are learned as one, reversible motion.



[Products](#) | [Forums](#) | [Site Map](#) | [Resellers](#) | [Contact](#)



FingerWorks

Inventor and Developer of MultiTouch Technology

[Cool Products](#) | [Customer Support](#) | [MultiTouch Technology](#) | [News & Events](#) | [Company](#)



Product Overview

Shopping Cart

iGesture Products for Everyone (learn in minutes)

iGesture Pad



BUY
\$ 159

The iGesture Pad doubles as an advanced mouse and gesture command center. Mouse gestures include Point, Click, Right-Click, Drag, Scroll, Back/Forward and Zoom. Command gestures include Cut, Copy, Paste, Undo, Open, Save, Exit, and many more! Anyone can learn the basic hand gestures in a few minutes! Slips easily into your travel bag as the perfect external USB pointer for your laptop! Works with Windows, Mac, and Linux PCs thru USB.

iGesture NumPad

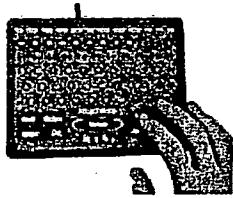


BUY
\$ 189

The iGesture NumPad adds a 31-key numeric keypad to the basic iGesture Pad. Great for those who do a lot of pointing and number input, or need a programmable keypad with hand gestures. Works with Windows, Mac, and Linux PCs thru USB port.

Reviews: [PCWorld](#) [MeetTheGeek](#) [TechTV](#)
[HowStuffWorks](#) [Read user's comments](#)

iGesture Mini Keyboard

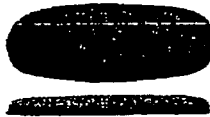


BUY
\$ 219

Want to save desk space? Need a small keyboard that's easy to clean? The Mini is a complete ZeroForce computer interface that provides a keyboard, mouse, and gesture input all in the same small package. The iGesture Mini Keyboard is great for applications where two-handed touch typing is not the norm. The Mini can be mounted on a wall or just about anywhere for easy access. Works thru USB port with Macs, PCs, Linux, and Suns.

[Read user's comments](#)

Gel Pad Accessory



BUY
\$ 8

1/2" thick ergonomic gel pad matches iGesture surface thickness to keep your wrist straight while using iGesture Products. Or get a pair for use with a TouchStream LP flat on your desk.

Contains soft, high-quality Royal-Medica gel in durable, black Lycra shell.

TouchStream Products for Power Users (not for the novice)

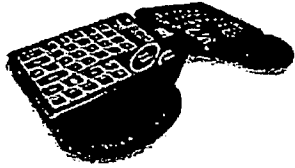
TouchStream MacNTouch



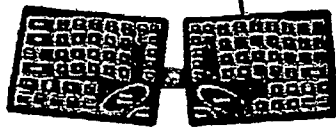
BUY
\$ 259

Attention PowerBook Owners! This TouchStream has all the functions that the LP has and installs in your PowerBook to give you a ZeroForce TouchStream Keyboard with integrated mouse and gesture input. Replace your existing mechanical keyboard with the TouchStream MacNTouch for a totally new and rewarding experience.

TouchStream LP



BUY \$ 339



The most powerful and effective computer interface that money can buy! Say good-bye to the mechanical keyboard and its mouse companion. Enter the TouchStream where Zero-Force touch-typing, pointing, and gesturing combine to give you unparalleled control of applications and graphics. Two-handed gesture set includes text formatting and Photoshop commands, plus game mode! Perfect for the power user, web designer, writer, and computer professional.

The TouchStream LP ZeroForce keyboard is removable from its frame and can be folded into a small package for traveling. You can also place the LP over your notebook's keyboard and instantly transform your laptop into a mobile TouchStream. Works with Mac, Windows, or Linux PC thru USB port. Available with International, US Qwerty, or Dvorak keyboard layouts.

Reviews: [Extreme Tech](#) [MeetTheGeek](#)
[Read user's comments](#)



BUY
\$40

**Extra Frame for
TouchStream LP**

This tented support frame is identical to the one that comes with the TouchStream LP. TouchStream users who transport their LP between work and home find it convenient to keep a frame at each place.

Home

[Products](#) | [Forums](#) | [Site Map](#) | [Resellers](#) | [Contact](#)



FingerWorks

Inventor and Developer of MultiTouch Technology



[Cool Products](#) | [Customer Support](#) | [MultiTouch Technology](#) | [News & Events](#) | [Company](#)

iGesture Pad

The iGesture Pad is an ultra-thin, large-area, super-duper touchpad that is both mouse and powerful multi-finger gesture command center.

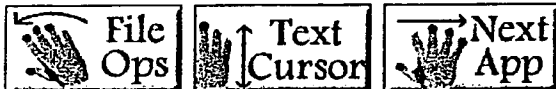
Largest Touchpad Available, Plus MultiTouch!

Mouse operations like point, click, drag, scroll, and zoom can mix seamlessly with multi-finger hand gestures in the same overlapping area of the iGesture's surface. The large surface provides pointing range and precision equivalent to a mouse, unlike those tiny one-finger touchpads! And on the iGesture Pad, drag and double-click are done with simple 3-fingertip slides, not a tricky tap-drag sequence!



Dozens of Powerful, Programmable Gestures

The gestures give you unprecedented text editing power and control of graphical objects, and they work equally well with either hand. Anyone can learn the basic hand gestures in a few minutes! Since gestures on the pointing surface emulate most keyboard shortcuts, you won't need to reach back to the keyboard nearly so often! All gestures are fully customizable with the MyGesture Editor.



Portability with no-hassle USB Plug and Play

The iGesture Pad is highly portable. Slips easily into your travel bag as the perfect external USB mouse/gesture interface for your laptop. Bored at your board meetings? The iGesture Pad is a perfectly silent mouse for stealthy web surfing.

Plugs and plays with Macs, Windows, and Linux.

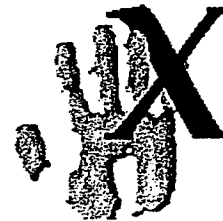


Shopping Cart

<input type="checkbox"/> Technical Details
<input type="checkbox"/> User's Guide
<input type="checkbox"/> Gesture Guide
<input type="checkbox"/> FAQs

Price: \$ 159

iGesture Pad



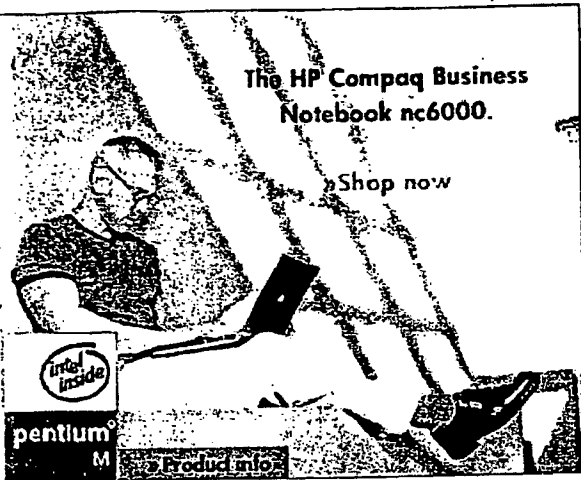
XWinder. The Future of Window Manipulation

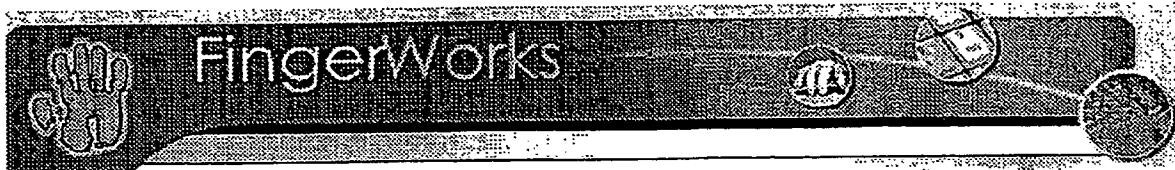


[Products](#) | [Forums](#) | [Site Map](#) | [Resellers](#) | [Contact](#)

The HP Compaq Business
Notebook nc6000.

»Shop now





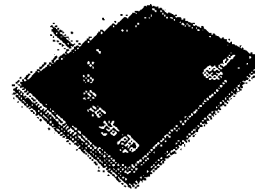
Welcome to **FingerWorks**

Important note!

FingerWorks has ceased operations as a business.

If you are experiencing any issues with your FingerWorks product you have the following options:

- This website will continue to serve as a self-help resource for [FAQ's](#), [troubleshooting guides](#) and [software downloads](#).
- For service claims please visit the [customer support](#) section of this website.



iGesture Pad

FingerWorks products are no longer available for resale, and no further updates to software drivers will be developed.

Thanks to all the customers who bought and used FingerWorks products. We appreciate your patronage, and hope that you continue to enjoy your FingerWorks product.

Customer Support:

[User Guides and Tutorials](#)

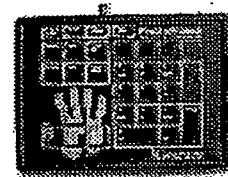
[Discussion Forums \(read-only\)](#)

[Downloads and Multitouch Utilities](#)

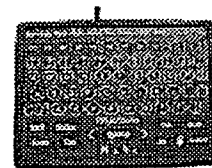
[Frequently Asked Questions](#)

[Troubleshooting Guide](#)

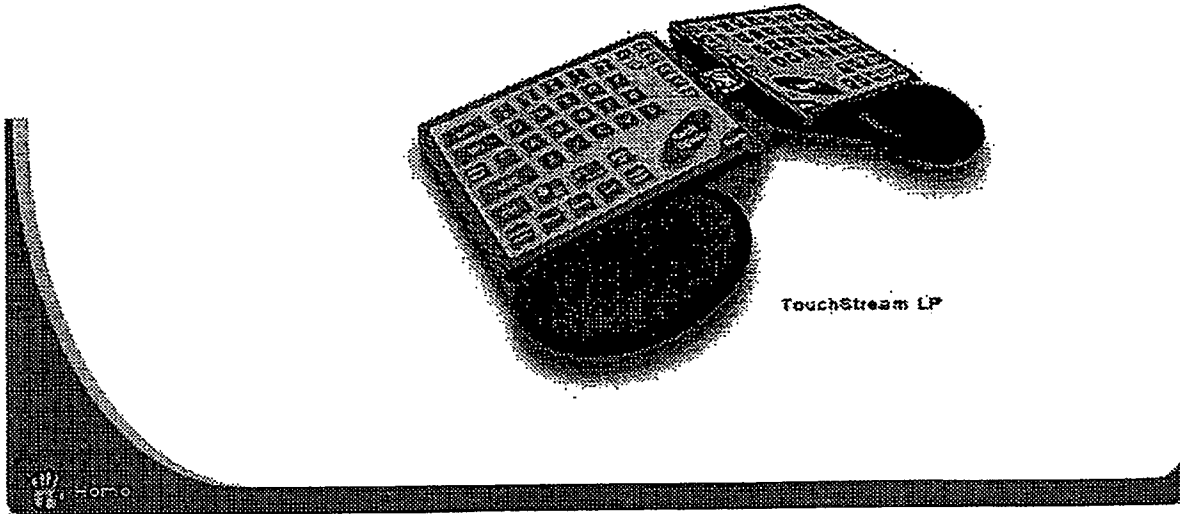
[Support Request Form](#)



iGesture Rumpad



TouchStream Mini



Electronic Patent Application Fee Transmittal

Application Number:	11677958
Filing Date:	22-Feb-2007
Title of Invention:	ELLIPSE FITTING FOR MULTI-TOUCH SURFACES
First Named Inventor/Applicant Name:	Wayne Westerman
Filer:	Gregory Scott Weaver/Vivian Gutierrez
Attorney Docket Number:	10684-25086.04

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:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	8018641
Application Number:	11677958
International Application Number:	
Confirmation Number:	1844
Title of Invention:	ELLIPSE FITTING FOR MULTI-TOUCH SURFACES
First Named Inventor/Applicant Name:	Wayne Westerman
Customer Number:	69753
Filer:	Gregory Scott Weaver/Vivian Gutierrez
Filer Authorized By:	Gregory Scott Weaver
Attorney Docket Number:	10684-25086.04
Receipt Date:	14-JUL-2010
Filing Date:	22-FEB-2007
Time Stamp:	19:41:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	7483
Deposit Account	031952
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)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		106842508604Stmnt-SIDS-SB08.pdf	157510 17645f8eabcb4a634827d9e30d74d12fdb ee6e2	yes	4
Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Transmittal Letter			1	3	
Information Disclosure Statement (IDS) Filed (SB/08)			4	4	
Warnings:					
Information:					
2	NPL Documents	GestureRecognition_2006.pdf	75254 9609866d5dedf25f8518da3431cc6af6eb36 fa3f	no	2
Warnings:					
Information:					
3	NPL Documents	iGestureProd_2005.pdf	315301 4cc488bcecc4fce5d42e6a926a2080d9f3f8f 6ec	no	6
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	30383 00cd7997e301eaf0775fd787050f88769f4 e9d1	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			578448		

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.

VIA EFS WEB
Patent
Docket No. 106842508604
Client Reference No. P3960USC13

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Wayne WESTERMAN et al.

Application No.: 11/677,958

Filing Date: February 22, 2007

For: ELLIPSE FITTING FOR MULTI-TOUCH
SURFACES

Examiner: Koosha Sharifi-Tafreshi

Group Art Unit: 2629

Confirmation No.: 1844

STATEMENT OF SUBSTANCE OF INTERVIEW

AND

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & § 1.98**

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

Dear Sir:

Examiner Sharifi-Tafreshi has graciously agreed in a voice mail message to Beverly Carter on July 14, 2010, to accept this submission after a Notice of Allowance has been issued and is respectfully requested to make these documents of record. Therefore, pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the documents are also submitted herewith.

la-1083370

APLND00022394

This Supplemental Information Disclosure Statement is submitted:

- With the application; accordingly, no fee or separate requirements are required.
- Before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - A fee is required. Accordingly, a Fee Transmittal Form (PTO/SB/17) is attached to this submission.
 - A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the Issue Fee.
 - A fee is required. A Certification under 37 C.F.R. § 1.97(e) is not necessary as Applicants have been given verbal permission by Examiner Sharifi-Tafreshi to submit the references herewith.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Application No. 11/677,958

VIA EFS WEB
Patent
Docket No. 106842508604
Client Reference No. P3960USC13

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 106842508604.

Dated: July 14, 2010

Respectfully submitted,

By /Gregory S. Weaver, #53,751/
Gregory Weaver
Registration No.: 53,751
MORRISON & FOERSTER LLP
555 West Fifth Street
Los Angeles, California 90013-1024
(213) 892-5399



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.
11/677,958 02/22/2007 Wayne Westerman 10684-25086.04 1844

7590 08/03/2010
APPLE C/O MORRISON AND FOERSTER ,LLP
LOS ANGELES
555 WEST FIFTH STREET SUITE 3500
SUITE 200
LOS ANGELES, CA 90013-1024

EXAMINER

SHARIFI-TAFRESHI, KOOSHA

ART UNIT PAPER NUMBER

2629

MAIL DATE DELIVERY MODE

08/03/2010

PAPER

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 7/14/10 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- [X] The IDS lacks a statement as specified in 37 CFR 1.97(e).
[] The IDS lacks the fee set forth in 37 CFR 1.17(p).
[] The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

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

Handwritten initials

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

Client No.: P3950USC13

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)

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.

69753 7590 06/21/2010

APPLE C/O MORRISON AND FOERSTER, LLLP
LOS ANGELES
555 WEST FIFTH STREET SUITE 3500
LOS ANGELES, CA 90013-1024

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.
11/677,958	02/22/2007	Wayne Westerman	10684-25086.04	1844

TITLE OF INVENTION: ELLIPSE FITTING FOR MULTI-TOUCH SURFACES

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	09/21/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHARIFI-TAFRESHI, KOOSHA	2629	345-173000

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

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: **APPLE INC.**
 (B) RESIDENCE: (CITY and STATE OR COUNTRY) **Cupertino, CA**

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 3

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 15-1952 (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 Gregory S. Weaver Date September 3, 2010
 Typed or printed name Gregory S. WEAVER Registration No. 53,751

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.

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.

VIA EFS

Attorney Ref. No.: 106842508604

Client Ref. No.: P3950USC13

"FEE ADDRESS" INDICATION FORMAddress to:
Mail Stop M Correspondence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450Fax to:
571-273-6500

- OR -

INSTRUCTIONS: The issue fee must have been paid for application(s) listed on this form. In addition, only an address represented by a Customer Number can be established as the fee address for maintenance fee purposes (hereafter, fee address). A fee address should be established when correspondence related to maintenance fees should be mailed to a different address than the correspondence address for the application. **When to check the first box below:** If you have a Customer Number to represent the fee address. **When to check the second box below:** If you have no Customer Number representing the desired fee address, in which case a completed Request for Customer Number (PTO/SB/125) must be attached to this form. For more information on Customer Numbers, see the Manual of Patent Examining Procedure (MPEP) § 403.

For the following listed application(s), please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the address associated with:

 Customer Number:

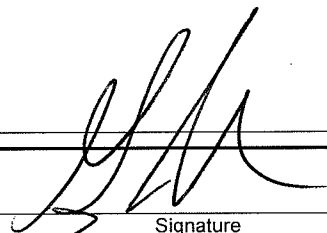
OR

 The attached Request for Customer Number (PTO/SB/125) form.

PATENT NUMBER (if known)	APPLICATION NUMBER
	11/677,958

Completed by (check one):

- Applicant/Inventor
 Attorney or Agent of record 53,751
 (Reg. No.)
 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)
 Assignee recorded at Reel _____ Frame _____



Signature

Gregory S. Weaver

Typed or printed name

(213) 892-5399

Requester's telephone number

September 3, 2010

Date

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*.

 *Total of 1 forms are submitted.

Electronic Patent Application Fee Transmittal

Application Number:	11677958
Filing Date:	22-Feb-2007
Title of Invention:	ELLIPSE FITTING FOR MULTI-TOUCH SURFACES
First Named Inventor/Applicant Name:	Wayne Westerman
Filer:	Gregory Scott Weaver/Cheryl Price
Attorney Docket Number:	10684-25086.04

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:				
Printed copy of patent - no color	8001	3	3	9
Total in USD (\$)				1819

Electronic Acknowledgement Receipt

EFS ID:	8358099
Application Number:	11677958
International Application Number:	
Confirmation Number:	1844
Title of Invention:	ELLIPSE FITTING FOR MULTI-TOUCH SURFACES
First Named Inventor/Applicant Name:	Wayne Westerman
Customer Number:	69753
Filer:	Gregory Scott Weaver/Cheryl Price
Filer Authorized By:	Gregory Scott Weaver
Attorney Docket Number:	10684-25086.04
Receipt Date:	03-SEP-2010
Filing Date:	22-FEB-2007
Time Stamp:	18:39:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1819
RAM confirmation Number	4452
Deposit Account	031952
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)

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2508604_IF.pdf	166738 fc78568a5a03c5cf073397fa496bf66c7b1f682	yes	2
Multipart Description/PDF files in .zip description					
		Document Description	Start	End	
		Issue Fee Payment (PTO-85B)	1	1	
		Miscellaneous Incoming Letter	2	2	
Warnings:					
Information:					
2	Fee Worksheet (PTO-875)	fee-info.pdf	33590 1416ebb1181ea908b58d8dbe8c8a498dd3fca4bb	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			200328		
<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>					



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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/677,958	10/12/2010	7812828	10684-25086.04	1844

69753 7590 09/22/2010
APPLE c/o MOFO LA
555 WEST FIFTH STREET SUITE 3500
SUITE 200
LOS ANGELES, CA 90013-1024

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 707 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):

Wayne Westerman, San Francisco, CA;
John G. Elias, Townsend, DE;

AO 120 (Rev. 3/04)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---	--

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Wisconsin on the following Patents or Trademarks:

DOCKET NO. 10-CV-661	DATE FILED 10/29/2010	U.S. DISTRICT COURT Western District of Wisconsin
PLAINTIFF APPLE INC.		DEFENDANT MOTOROLA, INC. and MOTOROLA MOBILITY, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,812,828	10/12/2010	Apple Inc.
2 7,663,607	2/16/2010	Apple Inc.
3 5,379,430	1/3/1995	Apple Inc.
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Peter Oppeneer	(BY) DEPUTY CLERK <i>P. Jensen</i>	DATE NOV 1 2010
--------------------------------	---------------------------------------	--------------------

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy