

EXHIBIT 5.06

S108	11	((gestur\$3 touch\$3 tap tapping) near12 input\$4) and (scroll\$3 near12 (rubber or rubberband\$3))	US-PGPUB; USPAT	OR	ON	2009/12/02 18:41
S109	30	S63 and scroll\$3	US-PGPUB; USPAT	OR	ON	2009/12/02 19:06
S110	30	S109 and ((gestur\$3 touch\$3 tap\$4) near20 ((two twice dual double plural plurality multiple multi) near6 (point region zone area)))	US-PGPUB; USPAT	OR	ON	2009/12/02 19:50
S111	1	("20080005703").PN.	US-PGPUB; USPAT	OR	OFF	2009/12/02 20:04
S112	1	S111 and scroll\$3	US-PGPUB; USPAT	OR	ON	2009/12/02 20:04

EAST Search History (Interference)

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12/ 3/ 2009 11:36:31 AM

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Notice of References Cited	Application/Control No. 11/620,717	Applicant(s)/Patent Under Reexamination PLATZER ET AL.	
	Examiner X. L. Bautista	Art Unit 2179	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,576,732 B2	08-2009	Lii, Jia-Yih	345/173
*	B	US-2007/0252821 A1	11-2007	Hollemans et al.	345/173
*	C	US-6,677,965 B1	01-2004	Ullmann et al.	715/786
*	D	US-2008/0005703 A1	01-2008	Radivojevic et al.	715/863
*	E	US-2005/0057524 a1	03-2005	Hill et al.	345/173
*	F	US-6,958,749 B1	10-2005	Matsushita et al.	345/175
*	G	US-2009/0259969 A1	10-2009	Pallakoff, Matt	715/808
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<i>Complete if Known</i>	
	Application Number	11/620,717
	Filing Date	January 7, 2007
	First Named Inventor	Platzer, Andrew
	Group Art Unit	2179
	Examiner Name	Bautista, Xiomara
Sheet 1 of 2	Attorney Docket No: 4860P4895	

US PATENT DOCUMENTS					
Examiner Initial *	Cite No ¹	USP Document Number	Publication or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-20010045949	11/29/2001	Chithambaram, Nemmara , et al.	
		US-20020194589	12/19/2002	Cristofalo, Michael , et al.	
		US-2003/0095096	05/22/2003	Robbin, et al.	
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /X.B./

EXAMINER /Xiomara Bautista/ DATE CONSIDERED 12/03/2009

Based on PTO/SB/08A(09-06) - Substitute Disclosure Statement Form (PTO-1449) as modified by BSTZ 03/26/07
 * 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

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<i>Complete if Known</i>	
	Application Number	11/620,717
	Filing Date	January 7, 2007
	First Named Inventor	Platzer, Andrew
	Group Art Unit	2179
	Examiner Name	Bautista, Xiomara
Sheet 2 of 2	Attorney Docket No: 4860P4895	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No ¹	Foreign Patent Document Country Code/Number/Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		EP-1517228	03/23/2005	Hill, Douglas B., et al.		
		WO-2006/067711	06/29/2006	Holtman, Koen J.		

OTHER DOCUMENTS -- 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
		OFFICE ACTION, U.S. Ser. No. 11/620,723, mailed April 1, 2009, 8 pages.,	
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /X.B./

EXAMINER

/Xiomara Bautista/

DATE CONSIDERED

12/03/2009

Based on PTO/SB/08A(09-06) - Substitute Disclosure Statement Form (PTO-1449) as modified by BSTZ 03/26/07
 * 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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Andrew Platzer
Appl. No. : 11/620,717
Filed : January 7, 2007
For : APPLICATION
PROGRAMMING
INTERFACES FOR
SCROLLING
OPERATIONS
Customer
No. : 45217

Examiner: Bautista, Xiomara L
TC/A.U.: 2179
Confirmation No. 9801

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being submitted electronically via EFS Web on the date shown below.

/Jeremy Schweigert/ March 29, 2010
Jeremy Schweigert Date

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

AMENDMENT

Sir:

In response to the Office Action of December 29, 2009, applicants respectfully request the Examiner to enter the following amendments and consider the following remarks:

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A machine implemented method for scrolling on a display of a device comprising:
 - receiving a user input;
 - creating an event object in response to the user input;
 - determining whether the event object invokes a scroll or gesture operation;
 - issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;
 - responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input; and
 - responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

2. (Original) The method as in claim 1, further comprising:
 - rubberbanding a scrolling region displayed within the window by a predetermined maximum displacement when the scrolling region exceeds a window edge based on the scroll.

3. (Original) The method as in claim 1, further comprising:
 - attaching scroll indicators to a content edge of the window.

4. (Original) The method as in claim 1, further comprising:
 - attaching scroll indicators to the window edge.

5. (Original) The method as in claim 1, wherein determining whether the event object invokes a scroll or gesture operation is based on receiving a drag user input for a certain time period.

6. (Original) The method as in claim 1, further comprising:
 - responding to at least one gesture call, if issued, by rotating a view associated with the event object based on receiving a plurality of input points in the form of the user input.

7. (Original) The method as in claim 1, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

8. (Currently amended) A machine readable storage medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:
 - receiving a user input;
 - creating an event object in response to the user input;
 - determining whether the event object invokes a scroll or gesture operation;
 - issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;
 - responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object ~~based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input;~~ and

responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

9. (Original) The medium as in claim 8, further comprising:

rubberbanding a scrolling region displayed within the window by a predetermined maximum displacement when the scrolled region exceeds a window edge based on the scroll.

10. (Original) The medium as in claim 8, further comprising:

attaching scroll indicators to a content edge of the view.

11. (Original) The medium as in claim 8, further comprising:

attaching scroll indicators to a window edge of the view.

12. (Original) The medium as in claim 8, wherein determining whether the event object invokes a scroll or gesture operation is based on receiving a drag user input for a certain time period.

13. (Original) The medium as in claim 8, further comprising:

responding to at least one gesture call, if issued, by rotating a view associated with the event object based on receiving a plurality of input points in the form of the user input.

14. (Original) The medium as in claim 8, wherein the data processing system is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

15.-88. – (Withdrawn)

89. (Currently amended) ~~In an environment with user interface software interacting with a software application, an~~ An apparatus, comprising:

means for receiving, through a hardware device, a user input on a display of the apparatus;

means for creating an event object in response to the user input;

means for determining whether the event object invokes a scroll or gesture operation;

means for issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;

means for responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object ~~based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input;~~ and

means for responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

90. (Previously presented) The apparatus as in claim 89, further comprising:

means for rubberbanding a scrolling region displayed within the window by a predetermined maximum displacement when the scrolling region exceeds a window edge based on the scroll.

91. (Previously presented) The apparatus as in claim 89, further comprising:

means for attaching scroll indicators to a content edge of the window.

92. (Previously presented) The apparatus as in claim 89, further comprising:

means for attaching scroll indicators to the window edge.

93. (Previously presented) The apparatus as in claim 89, wherein determining whether the event object invokes a scroll or gesture operation is based on receiving a drag user input for a certain time period.

94. (Previously presented) The apparatus as in claim 89, further comprising:
means for responding to at least one gesture call, if issued, by rotating a view associated with the event object based on receiving a plurality of input points in the form of the user input.

95. (Previously presented) The apparatus as in claim 89, wherein the apparatus is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

Remarks/Arguments

Applicants respectfully request consideration of the subject application as amended herein. This Amendment is submitted in response to the Office Action mailed December 29, 2009. Claims 1-14 and 89-95 are rejected.

In this Amendment, claims 8 and 89 have been amended. It is respectfully submitted that the amendment does not add new matter.

Applicants reserve all rights with respect to the applicability of the Doctrine of equivalents.

Claim Rejections under 35 U.S.C. §101

The Examiner has rejected claims 89-95 under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. The Examiner indicates that claim 89 recites the limitation “an environment with user interface software.”

This limitation has been deleted from claim 89, as amended. Claim 89 is directed to an apparatus, which is statutory subject matter. The apparatus includes the limitation “means for receiving, through a hardware device, a user input on a display of the apparatus.” The apparatus is claimed in terms of means plus function. Accordingly, applicants respectfully submit that claims 89-95 are directed to statutory subject matter and request the removal of the rejection of these claims under 35 U.S.C. §101.

Claim Rejections under 35 U.S.C. §103

The Office Action indicates that claims 1, 6-8, 13, 14, 89, 94, and 95 are rejected under 35 U.S.C 103(a) as being unpatentable over Lii (US 7,576,732) and Hollemans (2007/0252821).

Claim 1 reads as follows.

A machine implemented method for scrolling on a display of a device comprising:
receiving a user input;

creating an event object in response to the user input;
determining whether the event object invokes a scroll or gesture operation;
issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;
responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input; and
responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

Lii focuses exclusively on scrolling operations with a single finger input received in a region 22 or in a cursor control region 24 as described below.

FIG. 2 shows a touchpad 20 according to the present invention, on which a region 22 to trigger a scroll function and a cursor control region 24 are defined. **When user's finger 26 lands on the touchpad 20, the touchpad 20 detects the landed position first. If this landed position is located within the cursor control region 24, the touchpad 20 executes general cursor control function, by which the movement of the user's finger 26 causes corresponding movement of a cursor on a window. If the landed position is located within the region 22, the touchpad 20 executes the scroll function, by which the movement of the user's finger 26 causes corresponding scroll control of the window.** Once the scroll function is triggered, the window can be scrolled by sliding the **user's finger 26** anywhere on the touchpad 20. The scroll function will not be terminated even if the **user's finger 26** slides from the region 22 into the cursor control region 24, as shown in FIG. 2. As a result, the user can execute horizontal and vertical scrolling operations by a continuous movement. When the **finger 26** slides on the touchpad 20, the moving distance will be calculated. In a movement of the **finger 26**, as shown in FIG. 3, if the horizontal moving distance x is greater than the vertical moving distance y , the touchpad 20 sends out a scrolling signal for horizontally scrolling the window. On the contrary, if the horizontal moving distance x is smaller than the vertical moving distance y , the touchpad 20 sends out a scrolling signal for vertically scrolling the window. In another embodiment, the scrolling signal may scroll the window in horizontal and vertical directions simultaneously by a movement on the touchpad 20, depending on the horizontal moving distance x and vertical moving distance y . (Lii, col. 2, lines 32-62).

Thus, Lii is concerned with determining whether a single user's finger 26 touches a scroll region 22 or a cursor control region 24. Lii is attempting to improve upon a touchpad 10 illustrated in Figure 1 in which only vertical 14 or horizontal 16 scroll regions are part of the touchpad 10.

In contrast to claim 1, Lii fails to teach or disclose **determining whether the event object invokes a scroll or gesture operation** because Lii is concerned with determining whether a single user's finger 26 touches a scroll region 22 or a cursor control region 24. Lii also fails to teach or disclose any type of **scroll or gesture calls**.

Thus, Lii fails to teach or disclose the limitations "determining whether the event object invokes a scroll or gesture operation; issuing at least one scroll or gesture call based on invoking the scroll or gesture operation; responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object ...; and responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

Therefore, Lii does not disclose or teach each and every limitation of claim 1.

Hollemans is entitled "Use of a **Two Finger Input** on Touch Screens." Hollemans discloses a method and apparatus for a touch mechanism to detect a **two-finger input** on touch screens. Although in the typical sensing grid system, it is difficult to determine the placement of the fingers on the grid, in a first aspect of the invention a square formed by the activation of the lines on the sensing grid caused by **two finger touch** can be used to make a selection of items that are displayed within this square in order to select, zoom, copy, move, delete, etc., or select a dial to rotate the contents of the grid. In the present invention, a combinatorial matrix touch screen is used to indicate a square with **two fingers**. (Hollemans, paragraph [0007]).

Thus, Hollemans is focused exclusively on detecting a two-finger input on touch screens and determining operations such as select, zoom, copy, move, delete based on the two-finger input.

In contrast to claim 1, Hollemans fails to teach or disclose **determining whether the event object invokes a scroll or gesture operation** because Hollemans is concerned with detecting a two-finger input on touch screens. Hollemans also fails to teach or disclose any type of **scroll or gesture calls**. Thus, Hollemans fails to teach or disclose the limitations “determining whether the event object invokes a scroll or gesture operation; issuing at least one scroll or gesture call based on invoking the scroll or gesture operation; responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input; and responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

The Office Action indicates it would have been obvious to one ordinarily skilled in the art at the time the invention was made to modify Lii to include Hollemans’ teaching of scaling an object or view when detecting a finger input because it simply facilitates the user’s interaction with the computer device. (Office Action, 12/29/10, page 4). Applicant respectfully disagree.

Lii is concerned with determining whether a single user’s finger 26 touches a scroll region 22 or a cursor control region 24. Lii is attempting to improve upon a touchpad 10 illustrated in Figure 1 in which only vertical 14 or horizontal 16 scroll regions are part of the touchpad 10. Conversely, Hollemans focuses exclusively on detecting a two-finger input on touch screens and determining operations such as select, zoom, copy, move, delete based on the two-finger input. Hollemans is silent regarding detecting a single finger input. Hollemans discloses various techniques for detecting a two-finger input. Thus, the techniques and teaching of Hollemans are valid and useful only with a two-finger input.

The Examiner’s proposed modification of Lii with Hollemans would render Lii inoperable for its intended use, namely, providing an improved touchpad that can distinguish between a single finger input in a predefined scroll region 22

versus a cursor control region 24. Lii is silent regarding being able to receive a two-finger input and determining whether the two-fingers landed in the scroll region 22 or cursor control region 24. In some cases, a two-finger input would land partially in the scroll region 22 and partially in the cursor control region 22. This would lead to confusion regarding whether a user intends to move a cursor or scroll in the scroll region. The Examiner's proposed modification would actually lead to user frustration with the touchpad and not facilitate the user's interaction with the computer device. It would be impermissible hindsight to combine Lii with Hollemans based on applicant's own disclosure.

Therefore, in view of the above distinction, neither Lii nor Hollemans, individually or in combination, disclose each and every limitation of claim 1. As such, claim 1 is not rendered obvious by Lii in view of Hollemans under 35 U.S.C. § 103(a).

Independent claims 8 and 89 contain similar limitations but not identical compared to the limitations of claim 1. For similar reasons, independent claims 8 and 89 are not rendered obvious by Lii in view of Hollemans under 35 U.S.C. § 103(a).

It is submitted that dependent claims 6-8, 13, 14, 94, and 95 are not rendered obvious by Lii in view of Hollemans under 35 U.S.C. § 103(a) given that claims 6-8, 13, 14, 94, and 95 depend from and include the limitations of one of the corresponding independent claims 1, 8, and 89.

The Office Action indicates that claims 2-5, 9-12, and 90-93 are rejected under 35 U.S.C 103(a) as being unpatentable over Lii/Hollemans and Ullmann et al (US 6,677,965).

Claims 2-5, 9-12, and 90-93 depend from and include the limitations of one of the corresponding independent claims 1, 8, and 89 noted above. It is submitted that the Ullmann fails to cure the deficiencies of Lii/Hollemans noted above with respect to claim 1 and, therefore, claims 2-5, 9-12, and 90-93 are patentable over the combination of cited references.

Conclusion

Applicant respectfully submits that in view of the amendments and discussion set forth herein, the applicable rejections have been overcome. Accordingly, the present and amended claims should be found to be in condition for allowance.

If a telephone interview would expedite the prosecution of this application, the Examiner is invited to contact the undersigned at (408) 720-8300.

If there are any additional charges/credits, please charge/credit our deposit account no. 02-2666.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: March 29, 2010

/Jeremy Schweigert/
Jeremy Schweigert
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Andrew Platzer

Application No.: 11/620,717

Filed: January 7, 2007

For: APPLICATION PROGRAMMING
INTERFACES FOR SCROLLING
OPERATIONS

Examiner: Bautista, Xiomara L

Art Unit: 2179

Confirmation No.: 9801

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

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

I hereby certify that this correspondence is being submitted electronically via EFS Web to the United States Patent and Trademark Office on the date shown below.

March 29, 2010

(Date of Deposit)

Jeremy A. Schweigert

(Typed or printed name of person mailing correspondence)

/Jeremy A. Schweigert/

(Signature of person mailing correspondence)

March 29, 2010

(Date)

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- 37 C.F.R. §1.97(b).
- 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- A statement pursuant to 37 C.F.R. §1.97(e) or
- The Director is Authorized to charge our Deposit Acct. No. 02-2666 in the amount of \$180.00 for the fee under 37 C.F.R. § 1.17(p).**
- 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
 - (2) **Authorization to charge our Deposit Acct. No. 02-2666 in the amount of \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.**

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: March 29, 2010

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/620,709	01/07/2007	Andrew Platzer	04860.P5060	9789

45217 7590 11/13/2009
APPLE INC./BSTZ
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
1279 OAKMEAD PARKWAY
SUNNYVALE, CA 94085-4040

EXAMINER

NGUYEN, PHU K

ART UNIT	PAPER NUMBER
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2628

MAIL DATE	DELIVERY MODE
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11/13/2009

PAPER

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

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

Art Unit: 2628

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, “animations” (line 8) is unclear to its proper antecedent basic as whether it indicates “animations” in line 6; and “each synchronization call” (lines 8-9) is unclear as to its proper antecedent basic as whether it indicates either “a first synchronization call” (line 5) or “a second synchronization call” (line 7).

Similarly, claims 6, 11, 12, 16, 19, 20, 22, and 24 are rejected for a similar reason.

The remaining claims are rejected as they are dependent upon the rejected claims.

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

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by CALKINS et al. (7,173,623).

As per claim 1, Calkins teaches the claimed “device having a display with multiple views and user interface software interacts with multiple processes that alter the multiple views” (Calkins, column 3, lines 47-62; column 7, lines 16-32), a method for operating through an application programming interface (API), comprising: “transferring a first synchronization call associated with a first view to synchronize animations for the multiple views of the display” (Calkins, column 9, line 54 to column 10, line 4); and “transferring a second synchronization call associated with a second view to synchronize animations for the multiple views of the display” (Calkins, column 12, lines 49-53); “wherein each synchronization call comprises an identification of the synchronization of the first and second processes which are associated with the first and second views respectively” (Calkins, column 7, lines 25-32).

RESPONSE TO APPLICANT’S ARGUMENTS:

Applicant’s arguments filed August 3, 2009 have been fully considered but they are not deemed to be persuasive.

Applicant argues that Calkins does not teach “the synchronization of animations associated with two separate processes and two separate views. Calkins fails to teach or disclose separate synchronization function calls with each function call specifying an identification of the synchronization for the separate processes” which is not persuasive. Calkins’ animation classes 222 with their parent timelines are different processes having different views. Since an animation class’ parent timeline can be a child timeline of an “overall” parent timeline, two separate animation classes 222 can have their timelines

synchronized by the "overall" parent timeline. Since each of Calkins' animation classes has its own "view" and its own "synchronization timeline," the synchronization of Calkins' animation classes meets the claimed "first and second synchronization calls associated with the first and second views" as claimed.

Claim 2 adds into claim 1 "the synchronization call comprises a number of processes that are requesting animation of the multiple views" (Calkins, column 7, lines 16-32).

Claim 3 adds into claim 2 "setting a set of attributes associated with each process independently transferring a synchronization confirmation message when a synchronization flag is enabled based on the list of the processes being synchronized; and updating the set of attributes associated with each process independently; and transferring a start animation call to draw the requested animations" (Calkins, column 9, line 54 to column 10, line 58).

Claim 4 adds into claim 1 "transferring the synchronization call is either one of issuing, initiating, invoking or receiving the synchronization call" (Calkins, column 9, lines 64-66).

Claim 5 adds into claim 1 "the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch

portable device, a wireless device, and a cell phone” (Calkins, column 4, lines 16-29).

Claims 6-10, 16-18, and 20-21 claim a computer readable medium which stores a computer software to perform the steps of claims 1-5; therefore, they are rejected under the same reason.

Claims 11 and 19 claim an apparatus which performs the steps of the method of claims 1-5; therefore, they are rejected under the same reason.

Due to the similarity of claims 12-15 to claims 1-5, they are rejected under the same reason.

Claims 22 and 23 claim a platform including processing unit and memory storing software programs (Calkins, figure 1) which performs the steps of the method of claims 1-5; therefore, they are rejected under the same reason.

Claim 24 claims a framework containing a directory or database having a computer readable medium which stores a computer software to perform the steps of claims 1-5; therefore, they are rejected under the same reason.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu K. Nguyen whose telephone number is (571) 272 7645. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272 7794. 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.

/Phu K. Nguyen/
Primary Examiner, Art Unit 2628

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<i>Complete if Known</i>	
	Application Number	11/620,717
	Filing Date	January 7, 2007
	First Named Inventor	Platzer, Andrew
	Group Art Unit	2179
	Examiner Name	Bautista, Xiomara
Sheet 1 of 1	Attorney Docket No: 4860P4895	

US PATENT DOCUMENTS					
Examiner Initial *	Cite No ¹	USP Document Number	Publication or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-20080016096	01/17/2008	Wilding, Mark F., et al.	
		US-7,561,159	07/14/2009	Abel, Glenn , et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No ¹	Foreign Patent Document Country Code/Number/Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		WO-2008085848	07/17/2008	Blumenberg, Christopher		
		WO-2008085877	07/17/2008	Platzer, Andrew , et al.		

OTHER DOCUMENTS -- 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
		FINAL OFFICE ACTION, <u>U.S. Ser. 11/620,709</u> mailed 11/13/2009, (November 13, 2009), 8 pages	
		FINAL OFFICE ACTION, <u>U.S. Ser. No. 11/620,723</u> , mailed November 17, 2009., (11/17/2009), 10 pages	
		OFFICE ACTION, <u>U.S. Ser. No. 11/620,720</u> mailed November 18, 2009, (November 18, 2009), 17 pages	

EXAMINER

DATE CONSIDERED

Based on PTO/SB/08A(09-06) - Substitute Disclosure Statement Form (PTO-1449) as modified by BSTZ 03/26/07
 * 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



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
11/620,723 01/07/2007 Andrew Platzer 04860.P5054 9807

45217 7590 11/17/2009
APPLE INC./BSTZ
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
1279 OAKMEAD PARKWAY
SUNNYVALE, CA 94085-4040

EXAMINER

NGUYEN, PHU K

ART UNIT PAPER NUMBER

2628

MAIL DATE DELIVERY MODE

11/17/2009

PAPER

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

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

Office Action Summary	Application No. 11/620,723	Applicant(s) PLATZER ET AL.	
	Examiner Phu K. Nguyen	Art Unit 2628	

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

Period for Reply

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

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

Status

- 1) Responsive to communication(s) filed on 03 August 2009.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-25 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-25 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

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

Priority under 35 U.S.C. § 119

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

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

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/6/09.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

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

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 8-15, 17-19, 21-25 are rejected under 35 U.S.C. 102(e) as being anticipated by CALKINS et al. (7,173,623).

As per claim 1, Calkins teaches the claimed “machine implemented method for animating views displayed on a display of a device” (Calkins, column 6, lines 49-60), comprising: “starting at least two animations” (Calkins, column 7, lines 16-32); “determining the progress of each animation” (Calkins, column 9, lines 2-8, 18-26); and “updating each of the at least two animations to the display based on a single timer” (Calkins, the parent timeline; column 12, lines 43-45; column 13, lines 4-17; column 7, lines 46 to column 8, line 43, column 15, lines 28-35).

RESPONSE TO APPLICANT’S ARGUMENTS:

Applicant’s arguments filed August 3, 2009 have been fully considered but they are not deemed to be persuasive.

Applicant argues that since Calkins parent timeline does NOT govern the animation behavior of an animation object (Calkins, column 7, lines 35-61) then Calkins fails to teach that the parent timeline updates each of the at least two animations to a

display. This argument is not persuasive because when Calkins parent timeline is re-executed, all its children timelines is re-executed (column 13, lines 7-11) and Calkins parent timeline can be re-executed when the updates of its children time nodes are initiated (column 14, lines 28-34). Therefore, when Calkins parent timeline is re-executed, it updates its existing timing nodes to the new references established to the dependent animations (column 16, lines 42-50).

Claim 2 adds into claim 1 “the single timer comprises a timer based on a redraw interval of hardware associated with the display” (Calkins, column 15, lines 16-27).

Claim 3 adds into claim 1 “determining the progress of each animation comprises calculating the current progress of the animation if progress has occurred” (Calkins, column 15, lines 36-42).

Claim 4 adds into claim 1 “determining whether each animation is associated with a delegate; and notifying each delegate” (Calkins, column 13, lines 18-34).

Claim 8 adds into claim 1 “the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone” (Calkins, column 6, lines 2-18).

Claims 9-13, and similar claims 17 and 22, claim a computer readable medium

which performs the claimed method of claims 1-4, 8; therefore, they are rejected under the same reason.

Claims 14, 18, and 23-25 claim an apparatus/device which performs the steps of the claimed method in claims 1-4, 8; therefore they are rejected under the same reason.

Due to the similarity of claims 15, 19, 21 to claims 1-4, and 8, they are rejected under the same reason.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5-7, 16, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over CALKINS et al. (7,173,623).

Claim 16 adds into claim 15 "the animations comprise transform, frame, and opacity animations" which Calkins does not teach. However, the transform, frame, and opacity animations are widely used in the art, and Applicant does not provide any specific reason of improvements using these animations; therefore, any of "the animations comprise transform, frame, and opacity animations" is commonly known as mere design choice of display.

Due to the similarity of claims 5-7, and 20 to claim 16, they are rejected under the same reason.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu K. Nguyen whose telephone number is (571) 272 7645. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272 7794. 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.

/Phu K. Nguyen/
Primary Examiner, Art Unit 2628

Notice of References Cited	Application/Control No. 11/620,723	Applicant(s)/Patent Under Reexamination PLATZER ET AL.	
	Examiner Phu K. Nguyen	Art Unit 2628	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-7,561,159	07-2009	Abel et al.	345/473
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

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



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
11/620,720 01/07/2007 John Harper 04860.P5061 9804

45217 7590 11/18/2009
APPLE INC./BSTZ
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
1279 OAKMEAD PARKWAY
SUNNYVALE, CA 94085-4040

EXAMINER

RAAB, CHRISTOPHER J

ART UNIT PAPER NUMBER

2156

MAIL DATE DELIVERY MODE

11/18/2009

PAPER

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

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

Office Action Summary	Application No. 11/620,720	Applicant(s) HARPER ET AL.	
	Examiner Christopher J. Raab	Art Unit 2156	

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

Period for Reply

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

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

Status

- 1) Responsive to communication(s) filed on 23 September 2009.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,3-9,11-16 and 18-25 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,3-9,11-16 and 18-25 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

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

Priority under 35 U.S.C. § 119

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

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

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

01. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on **09/23/09** has been entered.

Claim Rejections - 35 USC § 103

02. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

03. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

04. **Claims 1, 3, 6 – 9, 11, 13 – 16, 18, and 20 – 25** are rejected under 35 U.S.C. 102(b) as being unpatentable over **Ridgley et al. (US PGPub 2003/0160832)**,

hereinafter 'Ridgley', in view of **Wilding et al. (US PGPub 2008/0016096)**, hereinafter 'Wilding'.

Consider **claim 1**, Ridgley discloses a machine implemented method for compositing media and non-media content of a user interface for display on a device (paragraphs [0012], [0013]), comprising:

a structured hierarchy of information, which contains layers, each corresponding to different items for display, which are all parts of the user interface (read as constructing a data structure having a hierarchy of layers for storing media and non-media content associated with the user interface to be displayed on a display of the device) (paragraphs [0022] – [0024], [0062] – [0064], Figures 1 – 4);

each layer of the hierarchy being associated with a content portion of the user interface, which can correspond to various types of information, including text images, video, etc. (read as traversing layers of the hierarchy of the data structure to determine whether each layer of the data structure is associated with media or non-media) (paragraphs [0062] – [0064], [0089] – [0093], Figures 11A – 11E);

the different content types being stored in different locations within the hierarchy (read as storing media content in a first memory location, storing non-media content in a second memory location) (paragraphs [0062] - [0064], [0121] - [0124], Figure 11A);

the user interface and display containing the content from the different layers of the hierarchy (read as compositing the media and non-media content from the first and second memory locations and displaying the composited media and non-media content

representing the user interface on the display of the device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

However, Ridgley does not specifically disclose that the different layers of the hierarchy can be detached from the data structure.

In the same field of endeavor, Wilding discloses a method such that a tree can have various operations performed on it, such as having nodes detached from the tree (read as detaching any layer associated with media content from the data structure) (paragraphs [0013], [0039], [0082], [0083]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the data structure altering technique taught by Wilding into the media compositing technique taught by Ridgley for the purpose of allowing changes to the media hierarchy.

Consider **claim 3**, and **as applied to claim 1 above**, Ridgley discloses a method such that the different content pieces from the hierarchy are directly outputted on the display (read as retrieving the media content from the first memory location, retrieving the non-media content from the second memory location, and scanning the media and non-media content directly to the display) (paragraphs [0089] – [0091], Figures 12A – 12T).

Consider **claim 6**, and **as applied to claim 1 above**, Ridgley discloses a method such that the content can be video content (read as the media content comprises video content) (paragraphs [0089] - [0094], Figures 12A – 12T).

Consider **claim 7**, and **as applied to claim 3 above**, Ridgley discloses a method such that the size of the different content can be altered (read as scaling the media content prior to sending the media content to the display) (paragraph [0077]).

Consider **claim 8**, and **as applied to claim 1 above**, Ridgley discloses a method such that the device is a touch screen (read as the device is one of: a multi touch device) (paragraphs [0070], [0103]).

Consider **claim 9**, Ridgley discloses a machine readable storage medium storing executable program instructions which when executed cause a data processing system to perform a method (paragraphs [0012], [0013]), comprising:

a structured hierarchy of information, which contains layers, each corresponding to different items for display, which are all parts of the user interface (read as constructing a data structure having a hierarchy of layers for storing media and non-media content associated with the user interface to be displayed on a display of the device) (paragraphs [0022] – [0024], [0062] – [0064], Figures 1 – 4);

each layer of the hierarchy being associated with a content portion of the user interface, which can correspond to various types of information, including text images, video, etc. (read as traversing layers of the hierarchy of the data structure to determine whether each layer of the data structure is associated with media or non-media) (paragraphs [0062] – [0064], [0089] – [0093], Figures 11A – 11E);

the different content types being stored in different locations within the hierarchy (read as storing media content in a first memory location, storing non-media content in a second memory location) (paragraphs [0062] - [0064], [0121] - [0124], Figure 11A);

the user interface and display containing the content from the different layers of the hierarchy (read as compositing the media and non-media content from the first and second memory locations and displaying the composited media and non-media content representing the user interface on the display of the device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

However, Ridgley does not specifically disclose that the different layers of the hierarchy can be detached from the data structure.

In the same field of endeavor, Wilding discloses a medium such that a tree can have various operations performed on it, such as having nodes detached from the tree (read as detaching any layer associated with media content from the data structure) (paragraphs [0013], [0039], [0082], [0083]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the data structure altering technique taught by Wilding into the media compositing technique taught by Ridgley for the purpose of allowing changes to the media hierarchy.

Consider **claim 11**, and **as applied to claim 9 above**, Ridgley discloses a medium such that the different content pieces from the hierarchy are directly outputted on the display (read as retrieving the media content from the first memory location, retrieving the non-media content from the second memory location, and scanning the media and non-media content directly to the display) (paragraphs [0089] – [0091], Figures 12A – 12T).

Consider **claim 13**, and **as applied to claim 9 above**, Ridgley discloses a medium such that the device is a touch screen (read as the device is one of: a multi touch device) (paragraphs [0070], [0103]).

Consider **claim 14**, and **as applied to claim 9 above**, Ridgley discloses a medium such that the content can be video content (read as the media content comprises video content) (paragraphs [0089] - [0094], Figures 12A – 12T).

Consider **claim 15**, and **as applied to claim 9 above**, Ridgley discloses a medium such that the size of the different content can be altered (read as scaling the media content prior to sending the media content to the display) (paragraph [0077]).

Consider **claim 16**, Ridgley discloses an apparatus (paragraphs [0012], [0013]), comprising:

a structured hierarchy of information, which contains layers, each corresponding to different items for display, which are all parts of the user interface (read as means for constructing a data structure having a hierarchy of layers for storing media and non-media content associated with the user interface to be displayed on a display of the device) (paragraphs [0022] – [0024], [0062] – [0064], Figures 1 – 4);

each layer of the hierarchy being associated with a content portion of the user interface, which can correspond to various types of information, including text images, video, etc. (read as means for traversing layers of the hierarchy of the data structure to determine whether each layer of the data structure is associated with media or non-media) (paragraphs [0062] – [0064], [0089] – [0093], Figures 11A – 11E);

the different content types being stored in different locations within the hierarchy (read as means for storing media content in a first memory location, means for storing non-media content in a second memory location) (paragraphs [0062] - [0064], [0121] - [0124], Figure 11A);

the user interface and display containing the content from the different layers of the hierarchy (read as means for compositing the media and non-media content from the first and second memory locations and means for displaying the composited media and non-media content representing the user interface on the display of the device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

However, Ridgley does not specifically disclose that the different layers of the hierarchy can be detached from the data structure.

In the same field of endeavor, Wilding discloses an apparatus such that a tree can have various operations performed on it, such as having nodes detached from the tree (read as means for detaching any layer associated with media content from the data structure) (paragraphs [0013], [0039], [0082], [0083]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the data structure altering technique taught by Wilding into the media compositing technique taught by Ridgley for the purpose of allowing changes to the media hierarchy.

Consider **claim 18**, and **as applied to claim 16 above**, Ridgley discloses an apparatus such that the different content pieces from the hierarchy are directly outputted on the display (read as means for retrieving the media content from the first

memory location, means for retrieving the non-media content from the second memory location, and means for scanning the media and non-media content directly to the display) (paragraphs [0089] – [0091], Figures 12A – 12T).

Consider **claim 20**, and **as applied to claim 17 above**, Ridgley discloses an apparatus such that the size of the different content can be altered (read as means for scaling the media content prior to sending the media content to the display) (paragraph [0077]).

Consider **claim 21**, Ridgley discloses a device (paragraphs [0012], [0013]), comprising:

a user directly interacting with and entering information into the system (read as an input panel which is configured to receive user input) (paragraphs [0022] - [0024]);

a display which can display all the information in the hierarchy (read as a display device integrated with the input panel, the display device configured to display media and non-media content at the same time) (Figures 12A – 12T);

a structured hierarchy of information, which contains layers, each corresponding to different items for display, which are all parts of the user interface (read as a central processing unit coupled to the input panel, the processor being configured to execute one or more programs in order to construct a data structure having a hierarchy of layers) (paragraphs [0022] – [0024], [0062] – [0064], Figures 1 – 4);

each layer of the hierarchy being associated with a content portion of the user interface, which can correspond to various types of information, including text images, video, etc. (read as with each layer associated with media or non-media content, based

on at least the user input) (paragraphs [0062] – [0064], [0089] – [0093], Figures 11A – 11E);

the different content types being stored in different locations within the hierarchy (read as a memory coupled to the processor, the memory being configured to store the media content in a first memory location and the non-media content in a second memory location) (paragraphs [0062] - [0064], [0121] - [0124], Figure 11A);

the user interface and display containing the content from the different layers of the hierarchy (read as wherein the media content and the non-media content are to be composited to represent a user interface to be displayed on the display device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

However, Ridgley does not specifically disclose that the different layers of the hierarchy can be detached from the data structure.

In the same field of endeavor, Wilding discloses a device such that a tree can have various operations performed on it, such as having nodes detached from the tree (read as detaching any layer associated with media content from the data structure) (paragraphs [0013], [0039], [0082], [0083]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the data structure altering technique taught by Wilding into the media compositing technique taught by Ridgley for the purpose of allowing changes to the media hierarchy.

Consider **claim 22**, and **as applied to claim 21 above**, Ridgley discloses a device such that the user interface and display contain the content from the different

layers of the hierarchy (read as the processor is further configured to composite the media and non-media content for display on the display device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

Consider **claim 23**, and **as applied to claim 21 above**, Ridgley discloses a device such that the user interface and display contain the content from the different layers of the hierarchy (read as a graphics processing unit coupled to the memory, the graphics processing unit configured to receive instructions indicating the locations of the media and non-media content in the memory) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

Consider **claim 24**, and **as applied to claim 23 above**, Ridgley discloses a device such that the user interface and display contain the content from the different layers of the hierarchy (read as the graphics processing unit is further configured to composite the media and non-media content for display on the display device) (paragraphs [0050], [0051], [0061], [0062], [0097], Figures 12A – 12T).

Consider **claim 25**, and **as applied to claim 21 above**, Ridgley discloses a device such that the device is a touch screen (read as the device is one of: a multi touch device) (paragraphs [0070], [0103]).

05. **Claims 4, 5, 12, and 19** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Ridgley et al. (US PGPub 2003/0160832)**, hereinafter ‘Ridgley’, in view of **Wilding et al. (US PGPub 2008/0016096)**, hereinafter ‘Wilding’, in further view of **Cristofalo et al. (US PGPub 2002/0194589)**, hereinafter ‘Cristofalo’.

Consider **claim 4**, and **as applied to claim 3 above**, Ridgley, as modified by Wilding, discloses a method of displaying content, but does not specifically mention a specific frame rate associated with the media content.

In the same field of endeavor Cristofalo discloses a method, such that media content can be thirty frames per second (read as the media content is scanned to the display at a rate of substantially thirty frames per second) (paragraphs [0012], [0026]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the media frame rate taught by Cristofalo into the user interface content displaying method taught by Ridgley, as modified by Wilding, for the purpose of displaying the media to the user at a certain display rate.

Consider **claim 5**, and **as applied to claim 3 above**, Ridgley, as modified by Wilding, discloses a method of displaying content, but does not specifically mention a specific frame rate associated with the media content.

In the same field of endeavor Cristofalo discloses a method, such that media content can be one frame per second (read as the media content is scanned to the display at a rate of substantially one frame per second) (paragraphs [0012], [0026]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the media frame rate taught by Cristofalo into the user interface content displaying method taught by Ridgley, as modified by Wilding, for the purpose of displaying the media to the user at a certain display rate.

Consider **claim 12**, and **as applied to claim 9 above**, Ridgley, as modified by Wilding, discloses a medium for displaying content, but does not specifically mention a specific frame rate associated with the media content.

In the same field of endeavor Cristofalo discloses a medium, such that media content can be thirty frames per second (read as the media content is scanned to the display at a rate of substantially thirty frames per second) (paragraphs [0012], [0026]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the media frame rate taught by Cristofalo into the user interface content displaying medium taught by Ridgley, as modified by Wilding, for the purpose of displaying the media to the user at a certain display rate.

Consider **claim 19**, and **as applied to claim 18 above**, Ridgley, as modified by Wilding, discloses an apparatus for displaying content, but does not specifically mention a specific frame rate associated with the media content.

In the same field of endeavor Cristofalo discloses an apparatus, such that media content can be thirty frames per second (read as the media content is scanned to the display at a rate of substantially thirty frames per second) (paragraphs [0012], [0026]).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the media frame rate taught by Cristofalo into the user interface content displaying apparatus taught by Ridgley, as modified by Wilding, for the purpose of displaying the media to the user at a certain display rate.

Response to Arguments

06. Applicant's arguments with respect to claims 1, 3 – 9, 11 – 16, and 18 – 25 have been considered, but are moot in view of the new ground(s) of rejection.

Conclusion

07. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

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

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

08. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Christopher Raab whose telephone number is (571) 270-1090. The Examiner can normally be reached on Monday-Friday from 8:30am to 6:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Pierre Vital can be reached on (571) 272-4215. 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) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Christopher Raab
C.R./cr

November 06, 2009

/Pierre M. Vital/
Supervisory Patent Examiner, Art Unit 2156

Notice of References Cited	Application/Control No. 11/620,720	Applicant(s)/Patent Under Reexamination HARPER ET AL.	
	Examiner Christopher J. Raab	Art Unit 2156	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2008/0016096	01-2008	WILDING et al.	707/101
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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

Electronic Patent Application Fee Transmittal

Application Number:	11620717
Filing Date:	07-Jan-2007
Title of Invention:	Application Programming Interfaces for Scrolling Operations
First Named Inventor/Applicant Name:	Andrew Platzer
Filer:	Jeremy A. Schweigert/Leslie Rogan
Attorney Docket Number:	04860.P4895

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:	7309647
Application Number:	11620717
International Application Number:	
Confirmation Number:	9801
Title of Invention:	Application Programming Interfaces for Scrolling Operations
First Named Inventor/Applicant Name:	Andrew Platzer
Customer Number:	45217
Filer:	Jeremy A. Schweigert/Leslie Rogan
Filer Authorized By:	Jeremy A. Schweigert
Attorney Docket Number:	04860.P4895
Receipt Date:	29-MAR-2010
Filing Date:	07-JAN-2007
Time Stamp:	18:27:57
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	5771
Deposit Account	022666
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)

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

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		4860P4895_Resp_to_OA.pdf	57306 ad596a31a5354890e3066fb41c5771912b9772d2	yes	12
Multipart Description/PDF files in .zip description					
	Document Description		Start		End
	Amendment/Req. Reconsideration-After Non-Final Reject		1		1
	Claims		2		6
	Applicant Arguments/Remarks Made in an Amendment		7		12
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	4860P4895_IDS_and_1449.pdf	58354 751f5a220029bdb643f2710a945871774a186b77	no	3
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	NPL Documents	NPL1_FOA_mailed_11-13-2009.pdf	253577 52911efe00e8d23ece4dc2afaf09ce1253ec4c5d	no	8
Warnings:					
Information:					
4	NPL Documents	NPL2_FOA_Mailed_11-17-2009.pdf	381105 a5089428b556cc2c47ee017ad87e94ae3884ed52	no	10
Warnings:					
Information:					
5	NPL Documents	NPL3_OA_mailed_11-18-2009.pdf	590947 78b0b115f082d34171858a0c4ffe1872c4f191de	no	17
Warnings:					
Information:					
6	Fee Worksheet (PTO-875)	fee-info.pdf	29983 ee6a7fc07533b672ba05a4d281e90db22c0aac0c	no	2

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Information:	
Total Files Size (in bytes):	1371272
<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>	

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/620,717	Filing Date 01/07/2007	<input type="checkbox"/> To be Mailed
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APPLICATION AS FILED – PART I			OTHER THAN			
	(Column 1)	(Column 2)	SMALL ENTITY <input type="checkbox"/>	OR	SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A		N/A	
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A		N/A	
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =		X \$ =	
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =		X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>						
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	

APPLICATION AS AMENDED – PART II						OTHER THAN			
	(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY	OR	SMALL ENTITY			
AMENDMENT	03/29/2010	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total <small>(37 CFR 1.16(i))</small>	*	95	Minus	** 95	=	0	OR	X \$52=	0
Independent <small>(37 CFR 1.16(h))</small>	*	26	Minus	***26	=	0	OR	X \$220=	0
<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>									
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>									
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	0

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

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

Legal Instrument Examiner:
 /ANNETTE SMITH/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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1279 OAKMEAD PARKWAY
SUNNYVALE, CA 94085-4040

Paper No.

Application No.: 11/620,717 	Date Mailed: 04/20/2010
First Named Inventor: Platzer, Andrew,	Examiner: BAUTISTA, XIOMARA L
Attorney Docket No.: 04860.P4895	Art Unit: 2179
Confirmation No.: 9801	Filing Date: 01/07/2007

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

Commissioner for Patents

Notice of Non-Compliant Amendment (37 CFR 1.121)	Application No. 11/620,717	Applicant(s) PLATZER ET AL.	
		Art Unit 2800	

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

The amendment document filed on 29 March, 2010 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- 1. Amendments to the specification:
 - A. Amended paragraph(s) do not include markings.
 - B. New paragraph(s) should not be underlined.
 - C. Other _____.
- 2. Abstract:
 - A. Not presented on a separate sheet. 37 CFR 1.72.
 - B. Other _____.
- 3. Amendments to the drawings:
 - A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).
 - B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
 - C. Other _____.
- 4. Amendments to the claims:
 - A. A complete listing of all of the claims is not present.
 - B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
 - D. The claims of this amendment paper have not been presented in ascending numerical order.
 - E. Other: _____.
- 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4): For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

1. Applicant is given **no new time period** if the non-compliant amendment is an after-final amendment or an amendment filed after allowance, or a drawing submission (only) If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted.
2. Applicant is given **one month**, or thirty (30) days, whichever is longer, from the mail date of this notice to supply the correction, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a Quayle action. If any of above boxes 1 to 4 are checked, the correction required is only the corrected section of the non-compliant amendment in compliance with 37 CFR 1.121.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or

Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Legal Instruments Examiner (LIE), if applicable /ANNETTE SMITH/

Telephone No: (571)272-1622




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45217 e 04/20/2010

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Paper No.

Application No.: 11/620,717 	Date Mailed: 04/20/2010
First Named Inventor: Platzer, Andrew,	Examiner: BAUTISTA, XIOMARA L
Attorney Docket No.: 04860.P4895	Art Unit: 2179
Confirmation No.: 9801	Filing Date: 01/07/2007

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

Commissioner for Patents

Notice of Non-Compliant Amendment (37 CFR 1.121)	Application No. 11/620,717	Applicant(s) PLATZER ET AL.	
		Art Unit 2800	

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

The amendment document filed on 29 March, 2010 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- 1. Amendments to the specification:
 - A. Amended paragraph(s) do not include markings.
 - B. New paragraph(s) should not be underlined.
 - C. Other _____.
- 2. Abstract:
 - A. Not presented on a separate sheet. 37 CFR 1.72.
 - B. Other _____.
- 3. Amendments to the drawings:
 - A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).
 - B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
 - C. Other _____.
- 4. Amendments to the claims:
 - A. A complete listing of all of the claims is not present.
 - B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
 - D. The claims of this amendment paper have not been presented in ascending numerical order.
 - E. Other: _____.
- 5. Other (e.g., the amendment is unsigned or not signed in accordance with 37 CFR 1.4): For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714.

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Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Legal Instruments Examiner (LIE), if applicable /ANNETTE SMITH/

Telephone No: (571)272-1622

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Andrew Platzer
Appl. No. : 11/620,717
Filed : January 7, 2007
For : APPLICATION
PROGRAMMING
INTERFACES FOR
SCROLLING
OPERATIONS
Customer
No. : 45217

Examiner: Bautista, Xiomara L
TC/A.U.: 2179
Confirmation No. 9801

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being submitted electronically via EFS Web on the date shown below.

/Jeremy Schweigert/ May 20, 2010
Jeremy Schweigert **Date**

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

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT

Sir:

In response to the Notice of Non-Compliant Amendment mailed April 20, 2010, Applicant submits a corrected section of the non-compliant amendment filed on March 29, 2010. The corrected section includes a complete listing of all the claims in compliance with 37 C.F.R. 1.121.

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A machine implemented method for scrolling on a display of a device comprising:
 - receiving a user input;
 - creating an event object in response to the user input;
 - determining whether the event object invokes a scroll or gesture operation;
 - issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;
 - responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input; and
 - responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

2. (Original) The method as in claim 1, further comprising:
 - rubberbanding a scrolling region displayed within the window by a predetermined maximum displacement when the scrolling region exceeds a window edge based on the scroll.

3. (Original) The method as in claim 1, further comprising:
 - attaching scroll indicators to a content edge of the window.

4. (Original) The method as in claim 1, further comprising:
attaching scroll indicators to the window edge.

5. (Original) The method as in claim 1, wherein determining whether the event object invokes a scroll or gesture operation is based on receiving a drag user input for a certain time period.

6. (Original) The method as in claim 1, further comprising:
responding to at least one gesture call, if issued, by rotating a view associated with the event object based on receiving a plurality of input points in the form of the user input.

7. (Original) The method as in claim 1, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

8. (Currently amended) A machine readable storage medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:
receiving a user input;
creating an event object in response to the user input;
determining whether the event object invokes a scroll or gesture operation;
issuing at least one scroll or gesture call based on invoking the scroll or gesture operation;
responding to at least one scroll call, if issued, by scrolling a window having a view associated with the event object ~~based on an amount of a scroll with the scroll stopped at a predetermined position in relation to the user input;~~ and

responding to at least one gesture call, if issued, by scaling the view associated with the event object based on receiving a plurality of input points in the form of the user input.

9. (Original) The medium as in claim 8, further comprising:

rubberbanding a scrolling region displayed within the window by a predetermined maximum displacement when the scrolled region exceeds a window edge based on the scroll.

10. (Original) The medium as in claim 8, further comprising:

attaching scroll indicators to a content edge of the view.

11. (Original) The medium as in claim 8, further comprising:

attaching scroll indicators to a window edge of the view.

12. (Original) The medium as in claim 8, wherein determining whether the event object invokes a scroll or gesture operation is based on receiving a drag user input for a certain time period.

13. (Original) The medium as in claim 8, further comprising:

responding to at least one gesture call, if issued, by rotating a view associated with the event object based on receiving a plurality of input points in the form of the user input.

14. (Original) The medium as in claim 8, wherein the data processing system is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

15. (Withdrawn) In an environment with user interface software interacting with a software application, a method for operating through an application programming interface (API), comprising:

transferring a set bounce call.

16. (Withdrawn) The method as in claim 15, further comprises:

setting at least one of maximum and minimum bounce values.

17. (Withdrawn) The method as in claim 15, wherein transferring the set bounce call causes a bounce of a scrolled region in an opposite direction of a scroll based on a region past an edge of the scrolled region being visible in a display region of a device at the end of the scroll.

18. (Withdrawn) The method as in claim 15, wherein transferring the set bounce call is either one of issuing, initiating, invoking or receiving the set bounce call.

19. (Withdrawn) The method as in claim 15, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

20. (Withdrawn) A machine readable medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:

transferring a set bounce call.

21. (Withdrawn) The medium as in claim 20, further comprises:

setting at least one of maximum and minimum bounce values.

22. (Withdrawn) The medium as in claim 20, wherein transferring the set bounce call causes a bounce of a scrolled region in an opposite direction of a scroll

based on a region past an edge of the scrolled region being visible in a display region of a device at the end of the scroll.

23. (Withdrawn) The medium as in claim 20, wherein transferring the set bounce call is either one of issuing, initiating, invoking or receiving the set bounce call.

24. (Withdrawn) The medium as in claim 20, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

25. (Withdrawn) In an environment with user interface software interacting with a software application, an apparatus, comprising:
 means for transferring a set bounce call.

26. (Withdrawn) In an environment with user interface software interacting with a software application, a method for operating through an application programming interface (API), comprising:
 receiving a set bounce call.

27. (Withdrawn) The method as in claim 26, further comprises:
 setting at least one of maximum and minimum bounce values.

28. (Withdrawn) The method as in claim 26, wherein receiving the set bounce call causes a bounce of a scrolled region in an opposite direction of a scroll based on a region past an edge of the scrolled region being visible in a display region at the end of the scroll.

29. (Withdrawn) A machine readable medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:
 receiving a set bounce call.

30. (Withdrawn) The medium as in claim 29, further comprises:
 setting at least one of maximum and minimum bounce values.
31. (Withdrawn) The medium as in claim 29, wherein receiving a set bounce call causes a bounce of a scrolled region in an opposite direction of a scroll based on a region past an edge of the scrolled region being visible in a display region at the end of the scroll.
32. (Withdrawn) In an environment with user interface software interacting with a software application, an apparatus, comprising:
 means for receiving a set bounce call.
33. (Withdrawn) In an environment with user interface kit interacting with a software application, a method for operating through an application programming interface (API), comprising:
 transferring a rubberband call to cause rubberbanding a scrolled region displayed within a display region of a device.
34. (Withdrawn) The method as in claim 33, wherein rubberbanding a scrolled region occurs by a predetermined maximum displacement when the scrolled region exceeds a display edge based on the scroll.
35. (Withdrawn) The method as in claim 33, further comprising:
 transferring an edge rubberband call to set displacement values for at least one display edge.
36. (Withdrawn) The method as in claim 33, wherein at the end of the scroll, the scrolled region associated with content returns within the display region.

37. (Withdrawn) The method as in claim 33, wherein transferring the rubberband call is either one of issuing, initiating, invoking or receiving the rubberband call.

38. (Withdrawn) The method as in claim 33, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

39. (Withdrawn) A machine readable medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:

transferring a rubberband call to cause rubberbanding a scrolled region displayed within a display region of a device.

40. (Withdrawn) The medium as in claim 39, wherein rubberbanding a scrolled region occurs by a predetermined maximum displacement when the scrolled region exceeds a window edge of the view based on the scroll.

41. (Withdrawn) The medium as in claim 39, further comprising:

transferring an edge rubberband call to set displacement values for at least one display edge.

42. (Withdrawn) The medium as in claim 39, wherein transferring the rubberband call is either one of issuing, initiating, invoking or receiving the rubberband call.

43. (Withdrawn) The method as in claim 39, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

44. (Withdrawn) In an environment with user interface software interacting with a software application, an apparatus, comprising:

means for transferring a rubberband call to cause rubberbanding a scrolled region displayed within a view.

45. (Withdrawn) In an environment with user interface kit interacting with a software application, a method for operating through an application programming interface (API), comprising:

receiving a rubberband call to cause rubberbanding a scrolled region displayed within a view.

46. (Withdrawn) The method as in claim 45, wherein rubberbanding a scrolled region occurs by a predetermined maximum displacement when the scrolled region exceeds a window edge of the view based on the scroll.

47. (Withdrawn) The method as in claim 45, further comprising:

receiving an edge rubberband call to set displacement values for at least one display edge.

48. (Withdrawn) A machine readable medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:

receiving a rubberband call to cause rubberbanding a scrolled region displayed within a view.

49. (Withdrawn) The medium as in claim 48, wherein rubberbanding a scrolled region occurs by a predetermined maximum displacement when the scrolled region exceeds a window edge of the view based on the scroll.

50. (Withdrawn) The medium as in claim 48, further comprising:

receiving an edge rubberband call to set displacement values for at least one display edge.

51. (Withdrawn) In an environment with user interface software interacting with a software application, an apparatus, comprising:

means for receiving a rubberband call to cause rubberbanding a scrolled region displayed within a view.

52. (Withdrawn) In an environment with user interface software interacting with a software application and a user input contacting a view of a display of a device, a method for operating through an application programming interface (API) , comprising:

transferring a directional scroll call to determine if directional scrolling is enabled.

53. (Withdrawn) The method as in claim 52, further comprising:

transferring a directional scroll angle call to set a scroll angle for locking the scrolling in at least one of a vertical or a horizontal direction.

54. (Withdrawn) The method of claim 52, wherein a drag user input forming an angle with a horizontal direction that is less than or equal to a first scroll angle locks the scrolling in the horizontal direction.

55. (Withdrawn) The method of claim 52, wherein a drag user input forming an angle with a vertical direction that is less than or equal to a second scroll angle locks the scrolling in the vertical direction.

56. (Withdrawn) The method as in claim 52, wherein transferring the directional scroll angle call is either one of issuing, initiating, invoking or receiving the directional scroll angle call.

57. (Withdrawn) The method as in claim 49, wherein the device is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

58. (Withdrawn) A machine readable medium storing executable program instructions which when executed cause a data processing system to perform a method comprising:

transferring a directional scroll call to determine if directional scrolling is enabled.

59. (Withdrawn) The medium as in claim 58, further comprising:

transferring a directional scroll angle call to set a scroll angle for locking the scrolling in at least one of a vertical or a horizontal direction.

60. (Withdrawn) The medium of claim 58, wherein a drag user input forming an angle with a horizontal direction that is less than or equal to a first scroll angle locks the scrolling in the horizontal direction.

61. (Withdrawn) The medium of claim 58, wherein a drag user input forming an angle with a vertical direction that is less than or equal to a second scroll angle locks the scrolling in the vertical direction.

62. (Withdrawn) The medium as in claim 58, wherein transferring the directional scroll angle call is either one of issuing, initiating, invoking or receiving the directional scroll angle call.

63. (Withdrawn) The method as in claim 58, wherein the data processing system is one of: a data processing device, a portable device, a portable data processing device, a multi touch device, a multi touch portable device, a wireless device, and a cell phone.

64. (Withdrawn) In an environment with user interface software interacting with a software application, an apparatus, comprising: