Exhibit 45

tion: Petition for 12-month Accelerated Exam

Approved for use through 04/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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	PETITION TO MAKE SPECIAL UNDER ACCELERATED EXAMINATION PROGRAM						
Attorney Docket Number P4313USC1/63266-5138US		First Named Inventor	Steven P. Jobs				
Applica	ation Num	ber (if Known)					
Title of Inventi	on			Interface for Determining Commands by Applying Heuristics			
	ED ACCE	ELERATED EXAMINATION F		DENTIFIED APPLICATION SPECIAL UNDER THE Instruction sheet on page 3.			
1.	 Claims of the application: a. The application must contain three (3) or fewer independent claims and twenty (20) or fewer total claims. The application may not contain any multiple dependent claims. b. Applicant hereby agrees not to separately argue the patentability of any dependent claim during any appeal in the application. Specifically, the applicant agrees that the dependent claims will be grouped together 						
	the a	application (37 CFR 41.37(c)(1)(v	ii)).	aim from which they depend in any appeal brief filed in			
2.	Interviews: Applicant hereby agrees to have (if requested by examiner): a. An interview (including an interview before a first Office action) to discuss the prior art and any potential rejections or objections with the intention of clarifying and possibly resolving all issues with respect to patentability at that time, and b. A telephonic interview to make an election without traverse if the Office determines that the claims are not obviously directed to a single invention.						
3.	With this set forth i a. An ir	n item 8 of the instruction sheet,	preexamination and an "accelerant in compliance w	search statement, in compliance with the requirements ted examination support document" that includes: with 37 CFR 1.98 citing each reference deemed most			
		each reference cited, an identifice ence specifying where the limitat		mitations of the claims that are disclosed by the the cited reference;			
	c. A detailed explanation of how each of the claims are patentable over the references cited with the particularity required by 37 CFR 1.111(b) and (c);						
	 d. A concise statement of the utility of the invention as defined in each of the independent claims (unless the application is a design application); 						
	e. An identification of any cited references that may be disqualified as prior art under 35 U.S.C. 103(c) as amended by the CREATE act; and						
	f. A showing of where each limitation of the claims finds support under the first paragraph of 35 U.S.C. 112 in the written description of the specification. If applicable, the showing must also identify: (1) each means- (or step-) plus-function claim element that invokes consideration under 35 U.S.C. 112, ¶6; and (2) the structure, material, or acts that correspond to any means- (or step-) plus-function claim element that invokes consideration under 35 U.S.C. 112, ¶6. If the application claims the benefit of one or more applications under title 35, United St ates Code, the showing must also include where each limitation of the claims finds support under the first paragraph of 35 U.S.C. 112 in each such application in which such support exists.						

The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This form is estimated to take 12 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EFS Web 2.2.3

Doc Description: Petition for 12-month Accelerated Exam

PTO/SB/28 (03-08)
Approved for use through 04/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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.

	PE	TITIC	ON TO MAKE SPECIAL	UNDER ACC		ATION PROGRAM	
	Attorney Docket Number P4313USC1/63266-5138US First Named Inventor Steven P. Jobs						
Atta	chme	nts:					
a.		Acce	erated Examination Support Doo	cument (see item	3 above).		
b.			tement, in compliance with the re th which was conducted.	equirements set fo	orth in item 8 of the instruction	sheet, detailing the preexamination	
c.		Inforr	nation Disclosure Statement.				
d.			r (e.g., a statement that the claim tering terrorism (37 CFR 1.102(c		is directed to environmental q	uality, energy, or	
Fee	s: The	follo	wing fees must be filed elec	ctronically via E	EFS or EFS-Web:		
a.	The	oasic fil	ing fee, search fee, examination	fee, and applicati	on size fee (if required) under	37 CFR 1.16.	
b.	b. Petition fee under 37 CFR 1.17(h) - unless the petition is filed with a showing under 37 CFR 1.102(c)(2).						
Sigr	nature	•					
Click	Click Remove if you wish to remove this signatory						
Sign	Signature / Robert B. Beyers / Date 2008-04-11					2008-04-11	
1	Name (Print/Typed) Robert B. Beyers Registration Number 46552						
Click	c Add i	f you v	vish to add additional signato	ry		Add	
			he inventors or assignees of record of the eform of the signature.	entire interest or their	representative(s) are required in accord	dance with 37 CFR 1.33 and 10.18. Please	

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.

Instruction Sheet Petition to Make Special Under the Accelerated Examination

A grantable petition must meet the following conditions:

- The petition to make special under the accelerated examination program must be filed with the application and accompanied by the
 fee set forth in 37 CFR 1.17(h) or a statement that the claimed subject matter is directed to environmental quality, energy, or
 countering terrorism.
- 2. The application must be a non-reissue utility or design application filed under 35 U.S.C. 111(a).
- 3. The application must be filed electronically using the Office electronic filing system (EFS) or EFS-Web.
- 4. The application must be complete under 37 CFR 1.51 and in condition for examination on filing. For example, the application must be filed together with the basic filing fee, search fee, examination fee, and application size fee (if applicable), and an oath or declaration under 37 CFR 1.63.
- 5. The application must contain three (3) or fewer independent claims and twenty (20) or fewer total claims. The application may not contain any multiple dependent claims. The petition must include a statement that applicant will agree not to separately argue the patentability of any dependent claim during any appeal in the application. Specifically, the applicant is agreeing that the dependent claims will be grouped together with and not argued separately from the independent claim from which they depend in any appeal brief filed in the application (37 CFR 41.37(c)(1)(vii)).
- 6. The claims must be directed to a single invention. The petition must include a statement that applicant will agree to have a telephonic interview to make an election without traverse in a telephonic interview if the Office determines that all the claims are not directed to a single invention.
- 7. The petition must include a statement that applicant will agree to have an interview (including an interview before a first Office action) to discuss the prior art and any potential rejections or objections with the intention of clarifying and possibly resolving all issues with respect to patentability at that time.
- 8. At the time of filing, applicant must provide a statement that a **preexamination search was conducted**, including an identification of the field of search by United States class and subclass and the date of the search, where applicable, and, for database searches, the search logic or chemical structure or sequence used as a query, the name of the file or files searched and the database service, and the date of the search.
 - a. This preexamination search must involve U.S. patents and patent application publications, foreign patent documents, and nonpatent literature, unless the applicant can justify with reasonable certainty that no references more pertinent than those already identified are likely to be found in the eliminated source and includes such a justification with this statement.
 - b. This preexamination search must be directed to the claimed invention and encompass all of the features of the independent claims, giving the claims the broadest reasonable interpretation.
 - c. The preexamination search must also encompass the disclosed features that may be claimed, in that an amendment to the claims (including any new claim) that is not encompassed by the preexamination search will be treated as non-responsive and will not be entered.
 - d. A search report from a foreign patent office will not be accepted unless the search report satisfies the requirements set forth above.
 - e. Any statement in support of a petition to make special must be based on a good faith belief that the preexamination search was conducted in compliance with these requirement. See 37 CFR 1.56 and 10.18.
- 9. At the time of filing, applicant must provide in support of the petition an accelerated examination support document that includes:
- a. An **information disclosure statement** in compliance with 37 CFR 1.98 citing each reference deemed most closely related to the

subject matter of each of the claims;

- b. For each reference cited, an identification of all the limitations of the claims that are disclosed by the reference specifying where the limitation is disclosed in the cited reference;
- c. A detailed explanation of how each of the claims are patentable over the references cited with the particularity required by 37 CFR 1.111(b) and (c);
- d. A concise **statement of the utility** of the invention as defined in each of the independent claims (unless the application is a design application);
- e. An identification of any cited references that may be disqualified as prior art under 35 U.S.C. 103(c) as am ende d by the CREATE
 act: and
- f. A showing of where each limitation of the claims finds support under the first paragraph of 35 U.S.C. 112 in the written description of the specification. If applicable, the showing must also identify: (1) each means- (or step-) plus-function claim element that invokes consideration under 35 U.S.C. 112, ¶6; and (2) the structure, material, or acts that correspond to any means- (or step-) plus-function claim element that invokes consideration under 35 U.S.C. 112, ¶6. If the application claims the benefit of one or more applications under title 35, United States Code, the showing must also include where each limitation of the claims finds support under the first paragraph of 35 U.S.C. 112 in each such application in which such support exists.

 For more information, see notice "Changes to Practice for Petitions in Patent Applications to Make Special and for Accelerated"

For more information, see notice "Changes to Practice for Petitions in Patent Applications to Make Special and for Accelerate Examination" available on the USPTO web site at http://www.uspto.gov/web/office s/pac/dapp/ogsheet.html

Privacy Act Statement

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Steven P. Jobs et al. Confirmation No.: To be assigned

Serial No.: To be assigned Art Unit: To be assigned

Filed: Concurrently herewith Examiner: To be assigned

For: Touch Screen Device, Method, Attorney

and Graphical User Interface for Determining Commands by

Applying Heuristics

Attorney Docket No.:

P4313USC1/63266-5138-US

Accelerated Examination Support Document

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

Dear Sir or Madam:

This accelerated examination support document is provided in support of the petition for accelerated examination filed herewith.

The Commissioner is hereby authorized to charge any required fee(s) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 63266-5138-US).

Listing of Claims begins on page 2 of this paper.

References Deemed Most Closely Related are stated on page 9 of this paper.

Identification of Limitations Disclosed by References begins on page 9 of this paper.

Detailed Explanation of Patentability begins on page 65 of this paper.

Concise Statement of Utility begins on page 66 of this paper.

Showing of Support under 35 USC 112, First Paragraph begins on page 67 of this paper.

Identification of References Disqualified as Prior Art under 35 USC 103(c) begins on page 111 of this paper.

Listing of Claims

There are 3 independent claims and 20 total claims currently pending in the application. The claims read as follows:

1. A computing device, comprising:

a touch screen display;

one or more processors;

memory; and

one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the one or more processors, the one or more programs including:

instructions for detecting one or more finger contacts with the touch screen display;

instructions for applying one or more heuristics to the one or more finger contacts to determine a command for the device; and

instructions for processing the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command;

a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and

a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

2. The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining that the one or more finger contacts correspond to a command to translate content within a frame rather than translating an entire page that includes the frame.

- 3. The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining which user interface object is selected when two user interface objects have overlapping hit regions.
- 4. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.
- 5. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.
- 6. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.
- 7. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a simultaneous two-thumb twisting gesture corresponds to a 90° screen rotation command.
- 8. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, an N-finger translation gesture corresponds to a command to translate an entire page of content and an M-finger translation gesture corresponds to a command to translate content within a frame rather than translating the entire page of content that includes the frame.
- 9. The computing device of claim 1, including:

instructions for detecting one or more first finger contacts with the touch screen display while a web browser application is displayed on the touch screen display;

instructions for applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and

instructions for processing the first command; wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and

the two-dimensional screen translation heuristic; and

instructions for detecting one or more second finger contacts with the touch screen display while a photo album application is displayed on the touch screen display;

instructions for applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and

instructions for processing the second command;

wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

- 10. The computing device of claim 9, wherein the first set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.
- 11. A computer-implemented method, comprising:

at a computing device with a touch screen display,

detecting one or more finger contacts with the touch screen display; applying one or more heuristics to the one or more finger contacts to determine a command for the device; and

processing the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command;

a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and

a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

12. The computer-implemented method of claim 11, including: while displaying a web browser application,

detecting one or more first finger contacts with the touch screen display; applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and processing the first command;

wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and
the two-dimensional screen translation heuristic; and
while displaying a photo album application,

detecting one or more second finger contacts with the touch screen display;

applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and processing the second command;

wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

- 13. The computer-implemented method of claim 12, wherein the first set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.
- 14. The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.
- 15. The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.
- 16. The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.
- 17. A computer readable storage medium having stored therein instructions, which when executed by a device with a touch screen display, cause the device to:

detect one or more finger contacts with the touch screen display;
apply one or more heuristics to the one or more finger contacts to
determine a command for the device; and

process the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command; a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

18. The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display, cause the device to:

while displaying a web browser application,

detect one or more first finger contacts with the touch screen display; apply a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and

process the first command;

wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and
the two-dimensional screen translation heuristic; and
while displaying a photo album application,

detect one or more second finger contacts with the touch screen display; apply a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and process the second command;

wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

19. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially

moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.

20. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.

References Deemed Most Closely Related:

An Information Disclosure Statement in compliance with 37 CFR 1.98 has been filed herewith citing each of the following references deemed most closely related to the subject matter of the claims.

1. Pallakoff US Patent Application Publication 2005/0012723

US Patent 6,690,387 2. Zimmerman et al.

3. Hashimoto et al. US Patent Application Publication 2006/0101354
 4. "Sprint Power Vision Smart Device TreoTM 700 by Palm" user manual

5. http://www.google.com/apis/maps/

Identification of Limitations Disclosed by References:

The following two charts identify the limitations that are disclosed, in whole or in part, by the references deemed most closely related to the subject matter of the claims.

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
1. A computing	Abstract.	Col. 5, lines 12-15,	Abstract.
device, comprising:		26-29, and Fig. 2.	
a touch screen display;	Paragraphs 0086	Col. 5, lines 12-15,	Abstract and Fig.
	and 0109 and Fig.	26-29, and Fig. 2.	1.
	14-A.		
one or more	Paragraph 0274	Col. 5, lines 12-15,	Fig. 7.
processors;	and Fig. 24.	26-29, and Fig. 2.	
memory; and	Paragraph 0274	Col. 5, lines 16-19.	Fig. 7.
	and Fig. 24.		
one or more programs,	Paragraph 0274	Col. 5, lines 29-31.	Paragraph 0084.
wherein the one or	and Fig. 24.		
more programs are			
stored in the memory			
and configured to be			
executed by the one or			
more processors, the			
one or more programs			
including:	D 1.0100	0 1 2 1; 15 16	D 1.0007
instructions for	Paragraph 0120.	Col. 3, lines 15-16.	Paragraph 0087.
detecting one or more			
finger contacts with			
the touch screen			
display;	D 11 1 CC	0.1.2.1: 12	D 1.0000
instructions for	Pallakoff may use	Col. 3, line 12 –	Paragraph 0089.
applying one or more	heuristics to	Col. 4, line 9, and	
heuristics to the one or	translate imprecise	Fig. 1.	
more finger contacts to	finger gestures into		
determine a command	commands.		

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
for the device; and	But Pallakoff does not expressly disclose such heuristics.		
instructions for processing the command;	If Pallakoff actually uses heuristics to determine a command, then the processors in paragraph 0274 would process such a command.	Col. 3, line 12 – Col. 4, line 9, and Fig. 1.	Paragraph 0093.
wherein the one or more heuristics comprise:			
a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two- dimensional screen translation command;		Zimmerman discloses a heuristic for determining that a finger contact corresponds to a one-dimensional vertical screen scrolling command at Col. 3, lines 51-60, and Fig. 1. But Zimmerman does not disclose a heuristic "for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command" as required by this claim.	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
a two-dimensional	Paragraph 120		Hashimoto
screen translation	states that " one	\	discloses a
heuristic for	alternative way to	[\	heuristic for
determining that the	allow scrolling of		determining that a
one or more finger	displayed content.		finger contact
contacts correspond to	is to let the user		corresponds to a
the two-dimensional	move the content		two-dimensional
screen translation	around simply by		screen translation
command rather than	touching a point on		command at
the one-dimensional	the touch screen		paragraph 0097.
vertical screen	over any part of the	\	
scrolling command;	displayed content		But Hashimoto
and	that is not a link,		does not disclose
	button, or other		a heuristic "for
	selectable item, and		determining that
	then dragging their finger as though		the one or more
	they are dragging		finger contacts correspond to the
	the content around	\ /	two-dimensional
	within the frame.	\ /	screen translation
	However, that can	\ /	command rather
	lead to users	\/	than the one-
	accidentally	l	dimensional
	clicking on	 	vertical screen
	selectable items	/\	scrolling
	when the user	/ \	command" as
<u> </u>	really just wanted	/ \	required by this
	to move the	/ \	claim.
	content."	/ \	
		/ \	
	It is not clear from	/ \	
	this passage if		
	Pallakoff is using a	/	
	"heuristic" as	/	
	required by this	/	
	claim.	/	
	But, in any event,	/	
	Pallakoff does not	/	
	disclose a heuristic	/	
	"for determining	/	
	that the one or	/	
	more finger	/	
-	contacts	/	
	correspond to the	/	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	two-dimensional	/	
	screen translation		
	command rather		
	than the one-		
	dimensional		
	vertical screen	X	
	scrolling		
	command" as		
	required by this		
	claim.		
a next item heuristic	Clum.	$\langle \hspace{1cm} \rangle$	Paragraph 0095.
for determining that			Taragraph 0075.
the one or more finger			
contacts correspond to			
a command to			
transition from			
displaying a respective			
item in a set of items			
to displaying a next			
item in the set of			
items.			
2. The computing	$\langle \hspace{1cm} \rangle$	$\langle \hspace{1cm} \rangle$	
device of claim 1,			\
wherein the one or			
more heuristics include			
a heuristic for			
determining that the			
one or more finger			$ \qquad $
contacts correspond to			$ \qquad $
a command to translate			
content within a frame			/
rather than translating			/
an entire page that			/
includes the frame.			/ \
	$\langle \hspace{1cm} \rangle$	$\langle \hspace{1cm} \rangle$	$\langle \hspace{1cm} \rangle$
3. The computing			\
device of claim 1,			\
wherein the one or			\ /
more heuristics include			
a heuristic for			
determining which			
user interface object is			/ \
selected when two user			/ \
interface objects have			/
overlapping hit			/ \
regions.	✓	<i>/</i>	/

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
4. The computing	/	Zimmerman	1
device of claim 1,		discloses a heuristic	\
wherein, in one	[\	for determining that	\
heuristic of the one or		a finger contact	
more heuristics, a		corresponds to a	\
contact comprising a		one-dimensional	
finger swipe gesture	\	vertical screen	\
that initially moves		scrolling command	
within a predetermined		at Col. 3, lines 51-	
angle of being		60, and Fig. 1.	
perfectly vertical with		·	
respect to the touch		But Zimmerman	
screen display		does not disclose a	
corresponds to the		heuristic in which	
one-dimensional vertical screen		"a finger swipe	
scrolling command.		gesture <u>that initially</u> moves within a	
scronning command.		predetermined angle	\ /
	\ /	of being perfectly	\ /
	\ /	vertical with respect	
	\ /	to the touch screen	\ /
	\	display corresponds	\/
	Į	to a one-	\ \ \
	\ \	dimensional vertical	
	/ \	screen scrolling	/\
	/ \	command" as	/\
	/ \	required by this	/ \
	/ \	claim.	/
	/ /		/ \
		Because	/
	/ \	Zimmerman teaches	/
		one-dimensional	/ \
	/	scrolling, but not	/
		two-dimensional	/
		screen translation,	/
		there is no need (or teaching) in	/
	/	Zimmerman for	/
	/	heuristics that	/ \
	/	differentiate a finger	/ \
	\	contact for one-	/ \ \
	/	dimensional	
	\	scrolling from a	
	/	finger contact for	/
	\	two-dimensional	V

Pallakoff	Zimmerman et al.	Hashimoto et al.
	screen translation.	
		Hashimoto discloses a heuristic for determining that a finger contact corresponds to a two-dimensional screen translation command at paragraph 0097.
		But Hashimoto does not disclose a heuristic in which "a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command" as required by this claim.
	Pallakoff	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
dimensional horizontal			
screen scrolling			
command rather than			
the two-dimensional			
screen translation			
command.			
7. The computing)	
device of claim 1,			
wherein, in one			
heuristic of the one or			
more heuristics, a			
contact comprising a	X	X	X
simultaneous two-			
thumb twisting gesture			
corresponds to a 90°			/ \
screen rotation			
command.		\	
8. The computing			/
device of claim 1,			\ /
wherein, in one			\
heuristic of the one or			\
more heuristics, an N-			\ /
finger translation			
gesture corresponds to			\ /
a command to translate		\ /	\ /
an entire page of		\vee	ackslash
content and an M-	\land	\setminus	\land
finger translation		/ \	/ \
gesture corresponds to			/ \
a command to translate			/ \
content within a frame		/ \	/ \
rather than translating		/ \	/ \
the entire page of		\	/ \
content that includes	/	/	/ \
the frame.	\	\	\
9. The computing			
device of claim 1,			
including:			
instructions for	Paragraph 0060		Paragraph 0087.
detecting one or more	and Fig. 14-A.		
first finger contacts			
with the touch screen			
display while a web			
browser application is			
displayed on the touch		\vee	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
instructions for applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and	Pallakoff may apply a first set of heuristics for a web browser application to one or more finger contacts to determine a command. But Pallakoff does not expressly disclose applying such a set of heuristics.		Paragraph 0089.
instructions for processing the first command;	If Pallakoff actually applies such a set of heuristics to determine a command, then the processors in paragraph 0274 would process such a command.		Paragraph 0093.
wherein the first set of heuristics comprises: the vertical screen scrolling heuristic; and		Zimmerman discloses a heuristic for determining that a finger contact corresponds to a one-dimensional vertical screen scrolling command at Col. 3, lines 51- 60, and Fig. 1. But Zimmerman does not disclose a heuristic "for determining that the one or more finger contacts correspond	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
		to a one- dimensional vertical screen scrolling command rather than a two- dimensional screen translation command" as required by this claim.	
		In addition, Zimmerman does not disclose that this heuristic is part of a set of heuristics for a web browser application, as required by this claim.	
the two-dimensional	Paragraph 120	/	Hashimoto
screen translation heuristic; and	states that "one alternative way to allow scrolling of displayed content is to let the user move the content around simply by touching a point on the touch screen over any part of the		discloses a heuristic for determining that a finger contact corresponds to a two-dimensional screen translation command at paragraph 0097.
	displayed content that is not a link, button, or other selectable item, and then dragging their finger as though they are dragging the content around within the frame.		But Hashimoto does not disclose a heuristic "for determining that the one or more finger contacts correspond to the two-dimensional screen translation
	However, that can lead to users accidentally clicking on selectable items		command rather than the one- dimensional vertical screen scrolling

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
FT.	when the user	/	command" as
	really just wanted	\	required by this
	to move the	\	claim.
	content."		
	It is not clear from	\ /	
	this passage if	\ /	
	Pallakoff is using a	\ /	
	"heuristic" as		
	required by this		
	claim.	\ /	
		\ /	
	But, in any event,	\ /	
	Pallakoff does not	\ /	
	disclose a heuristic	\ \ \	
	"for determining	\setminus	
	that the one or	/ \	
	more finger	/ \	
	contacts	/ \	
	correspond to the	/ \	
	two-dimensional	/ \	
	screen translation	/ \	
	command rather	/ \	
	than the one-	/ \	
	dimensional vertical screen	/	
	scrolling	/	
	command" as	/	
	required by this	/	
	claim.	/	
instructions for	Paragraph 0002	Zimmerman	Hashimoto
detecting one or more	mentions "photo	discloses "detecting	discloses
second finger contacts	and video editors."	one or more second	"detecting one or
with the touch screen		finger contacts with	more second
display while a photo	But Pallakoff does	the touch screen	finger contacts
album application is	not disclose	display" at Col. 3,	with the touch
displayed on the touch	"detecting one or	lines 15-16.	screen display" at
screen display;	more second finger		paragraph 0087.
	contacts with the	But Zimmerman	
	touch screen	does not disclose	But Hashimoto
	display while a	"detecting one or	does not disclose
	photo album	more second finger	"detecting one or
	application is	contacts with the	more second
	displayed on the	touch screen display	finger contacts
	touch screen	while a photo album	with the touch

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	display " as required by this claim.	application is displayed on the touch screen display," as required by this claim.	while a photo album application is displayed on the touch screen display," as required by this claim.
instructions for applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and			
instructions for processing the second command;			
wherein the second set of heuristics comprises:		-	
the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and			Paragraph 0095 states "Slide Right Advances to next page." But: (1) this heuristic is not part of a set of heuristics for a photo album application and (2) the next item is a web page, not an image in a set of images, as required by this claim.
a heuristic for determining that the one or more second finger contacts correspond to a			Paragraph 0095 states "Slide Left Returns to previous page."

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
command to transition	i alianuli /	Zammei man et al.	But: (1) this
from displaying the			heuristic is not
respective image in the			part of a set of
set of images to			heuristics for a
displaying a previous			photo album
image in the set of			application and
images.	X	X	(2) the next item
images.			is a web page, not
			an image in a set
			of images, as
			required by this
		/	claim.
10. The computing		$\langle \hspace{0.1cm} \rangle$	7
device of claim 9,			\ /
wherein the first set of			
heuristics comprises a			
heuristic for			
determining that the			
one or more first finger			
contacts correspond to			$ \qquad $
a one-dimensional			
horizontal screen			
scrolling command			
rather than the two-			/
dimensional screen	/	/	/ \
translation command.	\ \ \	\ \ \	\ \
11. A computer-	Abstract.	Abstract.	Abstract.
implemented method,			
comprising: at a computing device	Paragraphs 0086	Col. 5. lines 26.20	Abstract and Eig
with a touch screen	and 0109 and Fig.	Col. 5, lines 26-29, and Fig. 2.	Abstract and Fig. 1.
display,	14-A.	and Fig. 2.	1.
detecting one or more	Paragraph 0120.	Col. 3, lines 15-16.	Paragraph 0087
finger contacts with	Taragraph 0120.	Coi. 5, mics 15-10.	Taragraph 0007
the touch screen			
display;			
applying one or more	Pallakoff may use	Col. 3, line 12 –	Paragraph 0089.
heuristics to the one or	heuristics to	Col. 4, line 9, and	
more finger contacts to	translate imprecise	Fig. 1.	
determine a command	finger gestures into	5	
for the device; and	commands.		
Í			
	But Pallakoff does		
	not expressly		
	disclose such		

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	heuristics.		
processing the	If Pallakoff	Col. 3, line 12 –	Paragraph 0093.
command;	actually uses	Col. 4, line 9, and	
	heuristics to	Fig. 1.	
	determine a		
	command, then the		
	processors in		
	paragraph 0274		
	would process such		
	a command.		
wherein the one or			
more heuristics			
comprise:			
a vertical screen		Zimmerman	/
scrolling heuristic for	\	discloses a heuristic	\
determining that the		for determining that	\
one or more finger		a finger contact	\
contacts correspond to		corresponds to a	
a one-dimensional		one-dimensional	\
vertical screen		vertical screen	\ /
scrolling command		scrolling command	
rather than a two-		at Col. 3, lines 51-	\ /
dimensional screen		60, and Fig. 1.	\ /
translation command;	\ /		\ /
,	\ /	But Zimmerman	\ /
	\ /	does not disclose a	\
	Υ V	heuristic "for)
	/\	determining that the	/\
	/ \	one or more finger	/ \
	/ \	contacts correspond	/ \
	/ \	to a one-	/ \
	/ \	dimensional vertical	/ \
		screen scrolling	/ \
		command rather	/ \
	/	than a two-	/
		dimensional screen	/ \
	\	translation	/ \
		command" as	/ \
		required by this	/ \
	\	claim.	/
a two-dimensional	Paragraph 120	<u> </u>	Hashimoto
screen translation	states that "one		discloses a
heuristic for	alternative way to		heuristic for
determining that the	allow scrolling of		determining that a
one or more finger	displayed content.		finger contact
one of more imger	Laispiayed content.	<u> </u>	Imger contact

Claim Language contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and	Pallakoff is to let the user move the content around simply by touching a point on the touch screen over any part of the displayed content that is not a link,	Zimmerman et al.	Hashimoto et al. corresponds to a two-dimensional screen translation command at paragraph 0097. But Hashimoto does not disclose
	button, or other selectable item, and then dragging their finger as though they are dragging the content around within the frame. However, that can lead to users accidentally		a heuristic "for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional
	clicking on selectable items when the user really just wanted to move the content." It is not clear from this passage if		vertical screen scrolling command" as required by this claim.
	Pallakoff is using a "heuristic" as required by this claim. But, in any event, Pallakoff does not disclose a heuristic		
	"for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional		

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	vertical screen		
	scrolling		
	command" as	\times	
	required by this		
	claim.		
a next item heuristic	/		Paragraph 0095.
for determining that			
the one or more finger			
contacts correspond to			
a command to			
transition from	X	X	
displaying a respective			
item in a set of items			
to displaying a next			
item in the set of			
items.			
12. The computer-			
implemented method			
of claim 11, including:			
while displaying a web	Paragraph 0060		Paragraph 0087.
browser application,	and Fig. 14-A.		
detecting one or more	Paragraph 120.	Zimmerman	Paragraph 0087.
first finger contacts		discloses "detecting	
with the touch screen		one or more first	
display;		finger contacts with	
		the touch screen	
		display" at Col. 3,	
		lines 15-16.	
		But Zimmerman	
		does not disclose	
		"while displaying a	
		web browser	
		application,	
		detecting one or	
		more first finger	
		contacts with the	
		touch screen	
		display," as required	
		by this claim.	
applying a first set of	Pallakoff may	\setminus	Paragraph 0089.
heuristics for the web	apply a first set of		
browser application to	heuristics for a web	$ \hspace{.05cm} $	
the one or more first	browser application		
finger contacts to	to one or more		

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
determine a first	finger contacts to		
command for the	determine a		
device; and	command.		
	But Pallakoff does	X	
	not expressly		
	disclose applying		
	such a set of		
	heuristics.		
processing the first	If Pallakoff	/	Paragraph 0093.
command;	actually applies		
	such a set of		
	heuristics to		
	determine a		
	command, then the		
	processors in		
	paragraph 0274		
	would process such		
	a command.		
wherein the first set of			
heuristics comprises:			
the vertical screen	\ /	Zimmerman	\ /
scrolling heuristic; and	\	discloses a heuristic	\ /
		for determining that	\
		a finger contact	\
		corresponds to a	\
		one-dimensional	\
		vertical screen	
		scrolling command	\ /
	/ /	at Col. 3, lines 51-	\ /
	\ /	60, and Fig. 1.	\ /
	\ /	But Zimmerman	\/
	Х	does not disclose a	X
	/\	heuristic "for	/\
	/ \	determining that the	/ \
	/ \	one or more finger	/ \
	/ \	contacts correspond	/ \
	/ \	to a one-	/ \
	/ \	dimensional vertical	/
	/ \	screen scrolling	/ \
	/	command rather	/ \
	/	than a two-	/ \
	/	dimensional screen	/ \
	/	translation	/

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
		command" as	Λ /
		required by this claim.	
		In addition,	
		Zimmerman does not disclose that this	
		heuristic is part of a	
		set of heuristics for	
		a web browser	
		application, as	
		required by this claim.	/ \
the two-dimensional	Paragraph 120	Claim.	Hashimoto
screen translation	states that "one	\	discloses a
heuristic; and	alternative way to	\	heuristic for
	allow scrolling of	\	determining that a
	displayed content is to let the user	\	finger contact corresponds to a
	move the content		two-dimensional
	around simply by	\ /	screen translation
	touching a point on		command at
	the touch screen		paragraph 0097.
	over any part of the displayed content	\ /	But Hashimoto
	that is not a link,	\ /	does not disclose
	button, or other	\ /	a heuristic "for
	selectable item, and	\	determining that
	then dragging their	ļ X	the one or more
	finger as though they are dragging	/\	finger contacts correspond to the
	the content around	/ \	two-dimensional
	within the frame.	/ \	screen translation
	However, that can	/ \	command rather
	lead to users	/ \	than the one-
	accidentally	/ \	dimensional vertical screen
	clicking on selectable items	/ \	scrolling
	when the user	/ \	command" as
	really just wanted	/	required by this
	to move the	\	claim.
	content."	\	
	It is not clear from	\	
	this passage if	<i>/</i>	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	Pallakoff is using a	\	
	"heuristic" as	/	
	required by this		
	claim.		
	Dat in one area		
	But, in any event, Pallakoff does not		
	disclose a heuristic		
	"for determining	\ /	
	that the one or	\ /	
	more finger	\ /	
	contacts	X	
	correspond to the	/\	
	two-dimensional	/ \	
	screen translation	/ \	
	command rather	/ \	
	than the one-	/ \	
	dimensional	/ \	
	vertical screen scrolling	\	
	command" as	\	
	required by this	\	
	claim.	\backslash	
while displaying a	Paragraph 0002		
photo album	mentions "photo		\
application,	and video editors."		
	D 4 D-11-1 - CC 1		
	But Pallakoff does not disclose "while		
	displaying a photo		
	album application,		
	detecting one or		
	more second finger		
	contacts with the		/ \
	touch screen	/ \	/ \
	display" as	/ \	/ \
	required by this		/ \
1 , , ,	claim.	\ \	/ /
detecting one or more	Paragraph 0002	Zimmerman	Hashimoto discloses
second finger contacts with the touch screen	mentions "photo and video editors."	discloses "detecting one or more second	"detecting one or
display;	and video cultors.	finger contacts with	more second
amping,	But Pallakoff does	the touch screen	finger contacts
	not disclose "while	display" at Col. 3,	with the touch
	displaying a photo	lines 15-16.	screen display" at

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	album application, detecting one or more second finger contacts with the touch screen display" as required by this claim.	But Zimmerman does not disclose "while displaying a photo album application, detecting one or more second finger contacts with the touch screen display," as required by this claim.	paragraph 0087. But Hashimoto does not disclose "while displaying a photo album application, detecting one or more second finger contacts with the touch screen display," as required by this claim.
applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and			
processing the second command;			
wherein the second set of heuristics comprises:			
the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and			Paragraph 0095 states "Slide Right Advances to next page." But: (1) this heuristic is not part of a set of heuristics for a photo album application and (2) the next item is a web page, not an image in a set of images, as required by this claim.
a heuristic for			Paragraph 0095

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
determining that the		\ /	states "Slide Left
one or more second			Returns to
finger contacts			previous page."
correspond to a			
command to transition			But: (1) this
from displaying the			heuristic is not
respective image in the			part of a set of
set of images to			heuristics for a
displaying a previous	X	X	photo album
image in the set of		/ \	application and
images.		/ \	(2) the next item
images.			is a web page, not
		/ \	
	/ \	\	an image in a set
	/	\	of images, as
		\	required by this
10 50	($\langle \hspace{1cm} \rangle$	claim.
13. The computer-		/	\
implemented method			\
of claim 12, wherein			\
the first set of			\
heuristics comprises a			
heuristic for			\ /
determining that the			\
one or more first finger	X	X	X
contacts correspond to			/\
a one-dimensional			/ \
horizontal screen			/
scrolling command			/
rather than the two-			/
dimensional screen			/
translation command.	/	/	/
14. The computer-		Zimmerman	\setminus
implemented method		discloses a heuristic	\
of claim 11, wherein,		for determining that	
in one heuristic of the		a finger contact	\
one or more heuristics,		corresponds to a	
a contact comprising a		one-dimensional	\ /
finger swipe gesture		vertical screen	$ \hspace{.05cm} $
that initially moves		scrolling command	
within a predetermined		at Col. 3, lines 51-	/ \
angle of being		60, and Fig. 1.	/ \
perfectly vertical with			/ \
respect to the touch		But Zimmerman	/ \
screen display		does not disclose a	/ \
corresponds to the		heuristic in which	/

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
one-dimensional	/	"a finger swipe	\
vertical screen	\	gesture that initially	\
scrolling command.		moves within a	\
		predetermined angle	\
		of being perfectly	\
		vertical with respect	\
		to the touch screen	\
		display corresponds	
		to a one-	\
		dimensional vertical	
		screen scrolling	
		command" as	
	/ /	required by this	\ /
	\ /	claim.	\ /
	\ /		\
	\ \ \	Because	γ Ι
	\setminus	Zimmerman teaches	/\
	/ \	one-dimensional	/ \
	/ \	scrolling, but not	/ \
	/ \	two-dimensional	/
	/ \	screen translation,	/
		there is no need (or teaching) in	/
		Zimmerman for	/
		heuristics that	/
	/ \	differentiate a finger	/
	/ \	contact for one-	/ \
	/	dimensional	/
	\	scrolling from a	/ \
	/ \	finger contact for	/ \
	\	two-dimensional	/
	\	screen translation.	/
15. The computer-		\setminus	Hashimoto
implemented method			discloses a
of claim 11, wherein,			heuristic for
in one heuristic of the			determining that a
one or more heuristics,			finger contact
a contact comprising a			corresponds to a
moving finger gesture		\setminus	two-dimensional
that initially moves			screen translation
within a predefined			command at
range of angles	/ \		paragraph 0097.
corresponds to the two-dimensional	/ \	\	But Hashimoto
screen translation	/	/	does not disclose
SCICCII HAIISIAHOII	<i>V</i>	<i>/</i>	does not disclose

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
command.	/	/	a heuristic in
			which "a contact
			comprising a
			moving finger
			gesture that
			initially moves
			within a
			predefined range
		\land	of angles
			corresponds to the
			two-dimensional
			screen translation
		/ \	command" as
		\	required by this
		/	claim.
16. The computer-		$\langle \hspace{0.5cm} \rangle$	
implemented method	/	\	\
of claim 11, wherein,			\
in one heuristic of the			\
one or more heuristics,			\ /
a contact comprising a			\ /
finger swipe gesture			\ /
that initially moves			\ /
within a predetermined		\ /	
angle of being	\ X	l X	X
perfectly horizontal		/\	/\
with respect to the	/ \		/ \
touch screen display		/ \	/ \
corresponds to a one- dimensional horizontal		/ \	/
screen scrolling		/ \	/
command rather than		/ \	/
the two-dimensional		/	/ \
screen translation	\	/	/ \
command.	/	/	/
17. A computer	Paragraph 0274,	Col. 5, lines 17-21,	Fig. 7.
readable storage	and Fig. 24.	and 29-31.	5
medium having stored	3 . – 1.		
therein instructions,			
which when executed			
by a device with a			
touch screen display,			
cause the device to:			
detect one or more	Paragraph 0120.	Col. 3, lines 15-16.	Paragraph 0087.

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
finger contacts with			
the touch screen			
display;			
apply one or more	Pallakoff may use	Col. 3, line 12 –	Paragraph 0089.
heuristics to the one or	heuristics to	Col. 4, line 9, and	
more finger contacts to	translate imprecise	Fig. 1.	
determine a command	finger gestures into		
for the device; and	commands.		
	But Pallakoff does		
	not expressly		
	disclose such		
	heuristics.		
process the command;	If Pallakoff	Col. 3, line 12 –	Paragraph 0093.
	actually uses	Col. 4, line 9, and	
	heuristics to	Fig. 1.	
	determine a		
	command, then the		
	processors in		
	paragraph 0274		
	would process such		
	a command.		
wherein the one or			
more heuristics			
comprise:			
a vertical screen	\ /	Zimmerman	\
scrolling heuristic for	\	discloses a heuristic	\ /
determining that the		for determining that	\
one or more finger		a finger contact	\
contacts correspond to		corresponds to a	\ /
a one-dimensional		one-dimensional	
vertical screen		vertical screen	\ /
scrolling command	/ /	scrolling command	\ /
rather than a two-	\ /	at Col. 3, lines 51-	\ /
dimensional screen		60, and Fig. 1.	$ \qquad $
translation command;	\setminus		$ \qquad $
		But Zimmerman	/ \
	/ \	does not disclose a	/ \
	/ \	heuristic "for	/ \
	/ \	determining that the	/ \
	/ \	one or more finger	/ \
	/ \	contacts correspond	/ \
	/	to a one-	/ \
	/	dimensional vertical	/ \
	/	screen scrolling	\bigvee

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
1		command rather	
		than a two-	
		dimensional screen	
	\times	translation	$ \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} $
		command" as	
		required by this	
		claim.	
a two-dimensional	Paragraph 120		Hashimoto
screen translation	states that "one	\	discloses a
heuristic for	alternative way to		heuristic for
determining that the	allow scrolling of		determining that a
one or more finger	displayed content.		finger contact
contacts correspond to	is to let the user		corresponds to a
the two-dimensional	move the content	\	two-dimensional
screen translation	around simply by		screen translation
command rather than			command at
	touching a point on		
the one-dimensional	the touch screen		paragraph 0097.
vertical screen	over any part of the		D
scrolling command;	displayed content	/ /	But Hashimoto
and	that is not a link,	/ /	does not disclose
	button, or other	\ /	a heuristic "for
	selectable item, and	\ /	determining that
	then dragging their	\ /	the one or more
İ	finger as though	\ /	finger contacts
	they are dragging	\ /	correspond to the
	the content around	\ \ \	two-dimensional
	within the frame.	l Å	screen translation
	However, that can	/\	command rather
	lead to users	/ \	than the one-
	accidentally	/ \	dimensional
	clicking on	/ \	vertical screen
	selectable items	/ \	
		/ \	scrolling
	when the user	/ \	command" as
	really just wanted	/ \	required by this
	to move the	/ \	claim.
	content."	/	
	T4:4-1 C	/ \	
	It is not clear from	/ \	
	this passage if	/	
	Pallakoff is using a	\	
	"heuristic" as	\	
	required by this	/	
	claim.	/	
	Doct in an analysis	\	
	But, in any event,	<u> </u>	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	Pallakoff does not disclose a heuristic "for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command" as required by this claim.	zammerman et al.	
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.			Paragraph 0095.
18. The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display, cause the device to:	Paragraph 0274, and Fig. 24.	Col. 5, lines 17-21, and 29-31.	Fig. 7.
while displaying a web browser application,	Paragraph 0060 and Fig. 14-A.		Paragraph 0087.
detect one or more first finger contacts with the touch screen display;	Paragraph 120.	Zimmerman discloses "detecting one or more first finger contacts with	Paragraph 0087.

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
		the touch screen	
		display" at Col. 3,	
		lines 15-16.	
		But Zimmerman	
		does not disclose	
		"while displaying a	
		web browser	
		application,	
		detecting one or	
		more first finger	
		contacts with the	
		touch screen	
		display," as required	
1 5 1 5	D 11 1 CC	by this claim.	n 1 0000
apply a first set of	Pallakoff may	\	Paragraph 0089.
heuristics for the web	apply a first set of		
browser application to	heuristics for a web		
the one or more first	browser application		
finger contacts to	to one or more		
determine a first	finger contacts to		
command for the	determine a		
device; and	command.		
	But Pallakoff does		
	not expressly		
	disclose applying		
	such a set of		
	heuristics.	\backslash	
process the first	If Pallakoff		Paragraph 0093.
command;	actually applies		
	such a set of		
	heuristics to		
	determine a		
	command, then the	X	
	processors in		
	paragraph 0274		
	would process such		
	a command.		
wherein the first set of		\ 	
heuristics comprises:			
the vertical screen		Zimmerman	
scrolling heuristic; and		discloses a heuristic	
stroning mountains, und		for determining that	
		a finger contact	
	_		_

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
	\	corresponds to a	/
		one-dimensional vertical screen	\ /
		scrolling command	\
		at Col. 3, lines 51-	\
		60, and Fig. 1.	\
		,	
		But Zimmerman	\
		does not disclose a	\
		heuristic "for	
		determining that the	\ /
	\ /	one or more finger	\ /
	\ /	contacts correspond to a one-	\ /
	\ /	dimensional vertical	\ /
	\/	screen scrolling	\
	X	command rather	Ι Χ Ι
	/\	than a two-	/\
	/ \	dimensional screen	/\
		translation	/ \
		command" as required by this	/ \
	/ \	claim.	/ \
		Ciuiii.	/
_		In addition,	/
		Zimmerman does	/
_		not disclose that this	/
		heuristic is part of a	/
_		set of heuristics for	/ \
	\	a web browser application, as	/ \
	/	required by this	/ \
	\	claim.	V
the two-dimensional	Paragraph 120	/	Hashimoto
screen translation	states that "one		discloses a
heuristic; and	alternative way to		heuristic for
	allow scrolling of		determining that a
	displayed content.		finger contact
	is to let the user move the content	X	corresponds to a two-dimensional
	around simply by		screen translation
	touching a point on		command at
	the touch screen		paragraph 0097.
	over any part of the		
	displayed content	/	But Hashimoto

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
Cantin Carry Carry	that is not a link,		does not disclose
	button, or other	\	a heuristic "for
	selectable item, and	[determining that
	then dragging their		the one or more
	finger as though		finger contacts
	they are dragging		correspond to the
	the content around		two-dimensional
	within the frame.		screen translation
	However, that can		command rather
	lead to users		than the one-
	accidentally		dimensional
	clicking on		vertical screen
	selectable items		scrolling
	when the user		command" as
	really just wanted		required by this
	to move the	\ /	claim.
	content."	\ /	
	It is not clear from	\ /	
	this passage if	\ /	
	Pallakoff is using a	\/	
	"heuristic" as	ļ γ	
	required by this	\ \	
	claim.	/\	
		/ \	
	But, in any event,	/ \	
	Pallakoff does not	/ \	
	disclose a heuristic		
	"for determining	/ \	
	that the one or	/ \	
	more finger	/ \	
	contacts correspond to the	/ \	
	two-dimensional	/ \	
	screen translation	/ \	
	command rather	/ \	
	than the one-	/	
	dimensional	/	
	vertical screen	/	
	scrolling	/	
	command" as	\	
	required by this	\	
1-:1- 4:1- :	claim.		
while displaying a	Paragraph 0002		
photo album	mentions "photo		

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
detect one or more second finger contacts with the touch screen display;	and video editors." But Pallakoff does not disclose "while displaying a photo album application, detecting one or more second finger contacts with the touch screen display" as required by this claim. Paragraph 0002 mentions "photo and video editors." But Pallakoff does not disclose "while displaying a photo album application, detecting one or more second finger contacts with the touch screen display" as required by this	Zimmerman discloses "detecting one or more second finger contacts with the touch screen display" at Col. 3, lines 15-16. But Zimmerman does not disclose "while displaying a photo album application, detecting one or	Hashimoto discloses "detecting one or more second finger contacts with the touch screen display" at paragraph 0087. But Hashimoto does not disclose "while displaying a photo album application,
apply a second set of heuristics for the photo	claim.	more second finger contacts with the touch screen display," as required by this claim.	detecting one or more second finger contacts with the touch screen display," as required by this claim.
album application to the one or more second finger contacts to determine a second			
command for the device; and			
process the second			
command;			
wherein the second set			

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
of heuristics			
comprises:			
the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and			Paragraph 0095 states "Slide Right Advances to next page."
			But: (1) this heuristic is not part of a set of heuristics for a photo album application and (2) the next item is a web page, not an image in a set of images, as required by this claim.
a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.			Paragraph 0095 states "Slide Left Returns to previous page." But: (1) this heuristic is not part of a set of heuristics for a photo album application and (2) the next item is a web page, not an image in a set of images, as required by this claim.
19. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves		Zimmerman discloses a heuristic for determining that a finger contact corresponds to a one-dimensional vertical screen scrolling command at Col. 3, lines 51-	

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
within a predetermined		60, and Fig. 1.	/
angle of being			\ /
perfectly vertical with		But Zimmerman	\
respect to the touch		does not disclose a	\
screen display		heuristic in which	\
corresponds to the		"a finger swipe	\
one-dimensional		gesture that initially	\
vertical screen		moves within a	\
scrolling command.		predetermined angle	\
		of being perfectly	\ /
		vertical with respect	\ /
		to the touch screen	\ /
		display corresponds	\ /
		to a one-	\ /
		dimensional vertical	\ /
	\ /	screen scrolling	\ /
	\ /	command" as	\ /
	\ \ \	required by this claim.	
	\ \ \	Claim.	l / /
	/\	Because	/\
	/ \	Zimmerman teaches	/\
	/ \	one-dimensional	/ \
		scrolling, but not	/ \
		two-dimensional	/ \
		screen translation,	/ \
		there is no need (or	/ \
		teaching) in	/ \
		Zimmerman for	/
		heuristics that	/
		differentiate a finger	/
	\	contact for one-	/
		dimensional	/ \
	\	scrolling from a	/
	\	finger contact for	
	\	two-dimensional	/ \
	<u> </u>	screen translation.	/ 1:
20. The computer			Hashimoto
readable storage			discloses a
medium of claim 17,			heuristic for
wherein, in one	\times		determining that a
heuristic of the one or			finger contact
more heuristics, a			corresponds to a two-dimensional
contact comprising a			
moving finger gesture	\vee	V \	screen translation

Claim Language	Pallakoff	Zimmerman et al.	Hashimoto et al.
that initially moves	/	\	command at
within a predefined			paragraph 0097.
range of angles			
corresponds to the			But Hashimoto
two-dimensional		\ /	does not disclose
screen translation		/	a heuristic in
command.		\ /	which "a contact
		\ /	comprising a
	\ /	\ /	moving finger
	\ /	\	gesture that
	X	X	initially moves
1		/\	within a
	/ \	/ \	predefined range
†	/ \	/ \	of angles
		/ \	corresponds to the
		/ \	two-dimensional
	/ \	/ \	screen translation
		\	command" as
		\	required by this
	\	\	claim.
	\	/	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
1. A computing	p. 6, Figure	
device, comprising:		
a touch screen display;	p. 378 states "Touch-sensitive	
	LCD screen (includes stylus)"	
one or more	p. 378 states "Intel XScaleTM	
processors;	processor, 312 MHz"	
memory; and	p. 171, step 5	
one or more programs,	p. 379 lists "Included	http://www.google.com/apis/m
wherein the one or	software"	aps/ is accessed by a browser
more programs are		program.
stored in the memory		
and configured to be		
executed by the one or		
more processors, the		
one or more programs		
including:		

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Treo ^{IM} 700	maps/
	by Palm" user manual	
instructions for	p. 378 states "Touch-sensitive	
detecting one or more	LCD screen (includes stylus)"	
finger contacts with		
the touch screen	The Treo 700 is designed to	
display;	work with physical buttons	
	and a stylus, and works only	
	imprecisely in response to	
	finger contacts.	
instructions for	The Treo 700 may use	
applying one or more	heuristics to translate	
heuristics to the one or	imprecise finger gestures into	
more finger contacts to	commands.	
determine a command	D. d. St. L.	
for the device; and	But the user guide does not	
	expressly disclose such heuristics.	
instructions for	If the Treo 700 actually uses	\leftarrow
processing the	finger-contact heuristics to	
command;	determine a command for a	
,	web browser application, then	
	the "Intel XScaleTM	
	processor, 312 MHz" (p. 378)	
	would process such a	
	command.	
wherein the one or		
more heuristics		
a vertical screen	p. 161 states "Scroll through	
scrolling heuristic for	the page: In Optimized Mode	
determining that the	(the default format, which is	
one or more finger	optimized for your device	
contacts correspond to	screen), press Up or Down."	
a one-dimensional		
vertical screen	But the Treo 700 does not	
scrolling command	have "a vertical screen	X
rather than a two-	scrolling <u>heuristic</u> for	
dimensional screen translation command;	determining that the one or	
translation command;	more <u>finger contacts</u> correspond to a one-	
	dimensional vertical screen	
	scrolling command rather	
	than a two-dimensional	\vee

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Tree TM 700	maps/
	by Palm" user manual	
	screen translation command "	
	as required by this claim.	
	Rather, the Treo 700 uses a	
	deterministic push of a	\mid
	physical button (i.e., a 5-way	
	toggle button) to scroll	
	vertically.	
a two-dimensional	p. 161 states "In Wide Page	Λ
screen translation	Mode, press Up , Down , Left	\
heuristic for	, or Right to scroll in all	\
determining that the	directions."	
one or more finger		\
contacts correspond to	But the Treo 700 does not	
the two-dimensional	have "a two-dimensional	
screen translation	screen translation <u>heuristic</u> for	/ /
command rather than	determining that the one or	
the one-dimensional	more finger contacts	
vertical screen	correspond to the two-	
scrolling command;	dimensional screen	/ /
and	translation command rather	\ / /
	than the one-dimensional	\ /
	vertical screen scrolling	ackslash
	command" as required by this	\setminus
	claim. Rather, the Treo 700	/ \
	uses a deterministic push of a	/ \
	physical button (i.e., a 5-way	/ \
	toggle button) to scroll	/ \
	vertically, horizontally, or to	/
	alternate between vertical and	/ /
	horizontal scrolling so that all	/
	of a Web page may be	/
	viewed. The Treo 700 does	/
	not provide for two-	/
	dimensional screen	/
	translation (i.e., <u>simultaneous</u>	/
	vertical and horizontal screen	/
	translation).	\
a next item heuristic	p. 193 states "4. Press Right	
for determining that	or Left to scroll to the next	
the one or more finger	item in the album."	
contacts correspond to		
a command to	But the Treo 700 does not	
transition from	have "a next item heuristic for	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
displaying a respective	determining that the one or	
item in a set of items	more finger contacts	
to displaying a next	correspond to a command," as	
item in the set of	required by this claim.	
items.	Rather, the Treo 700 uses a	
Tterris.	deterministic push of a	
	physical button to go to a next	
	item.	
2. The computing	<u> </u>	http://www.google.com/apis/m
device of claim 1,		aps/ is a web page that
wherein the one or		includes a frame with map
more heuristics include		content. The map content
a heuristic for		within the frame may be
determining that the		translated, without translating
one or more finger		the entire page, by mouse
contacts correspond to		clicking and dragging a cursor
a command to translate		within the frame.
content within a frame		Alternatively, the entire page
rather than translating		may be translated by mouse
an entire page that	\ /	clicking and dragging on a
includes the frame.	X	scroll bar for the entire page.
		Dut mion out devices
		But prior art devices
		displaying this web page do
		not include "a heuristic for
		determining that the one or
†		more finger contacts
		correspond to a command to
		translate content within a
		frame rather than translating an
		entire page that includes the
	/	frame," as required by this claim.
3. The computing		Ciaiiii.
device of claim 1,		
wherein the one or		
more heuristics include		
a heuristic for		
determining which		
user interface object is		
selected when two user		
interface objects have		
overlapping hit		/
Overrapping int	V	V

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
U - C	Smart Device Treo TM 700	maps/
	by Palm" user manual	
regions.		
4. The computing		lacksquare
device of claim 1,		
wherein, in one		
heuristic of the one or		
more heuristics, a		
contact comprising a		
finger swipe gesture		
that initially moves		
within a predetermined	X	X
angle of being		
perfectly vertical with		
respect to the touch		
screen display		
corresponds to the		
one-dimensional		
vertical screen		
scrolling command.		\bigvee
5. The computing		
device of claim 1,		
wherein, in one		
heuristic of the one or		
more heuristics, a		
contact comprising a		
moving finger gesture		
that initially moves		
within a predefined		
range of angles		
corresponds to the		
two-dimensional		
screen translation		
command.		\bigvee
6. The computing		
device of claim 1,		
wherein, in one		
heuristic of the one or		
more heuristics, a		
contact comprising a	\times	\times
finger swipe gesture		
that initially moves		
within a predetermined		
angle of being		
perfectly horizontal		\bigvee

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
W C	Smart Device Tree TM 700	maps/
	by Palm" user manual	
with respect to the		
touch screen display		
corresponds to a one-		
dimensional horizontal		
screen scrolling	\times	
command rather than		
the two-dimensional		
screen translation		
command.		
7. The computing		
device of claim 1,		
wherein, in one		
heuristic of the one or		
more heuristics, a		
contact comprising a	X	X
simultaneous two-		
thumb twisting gesture		
corresponds to a 90°		
screen rotation		
command.		
8. The computing	/	http://www.google.com/apis/m
device of claim 1,		aps/ is a web page that
wherein, in one		includes a frame with map
heuristic of the one or		content. The map content
more heuristics, an N-		within the frame may be
finger translation		translated, without translating
gesture corresponds to		the entire page, by mouse
a command to translate		clicking and dragging a cursor
an entire page of		within the frame.
content and an M-		Alternatively, the entire page
finger translation	\/	may be translated by mouse
gesture corresponds to	Ĭ Ň	clicking and dragging on a
a command to translate		scroll bar for the entire page.
content within a frame		Dest union out des isse
rather than translating		But prior art devices
the entire page of		displaying this web page do
content that includes the frame.	/ \	not include "in one <u>heuristic</u>
me trame.		. an N-finger translation
	\	gesture corresponds to a
	\	command to translate an entire
		page of content and an M- finger translation gesture
	/	
	<u>/</u>	corresponds to a command to

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Tree TM 700	maps/
	by Palm" user manual	
		translate content within a
		frame rather than translating
		the entire page of content that
		includes the frame," as
		required by this claim.
9. The computing		
device of claim 1,		
including:	270	
instructions for	p. 378 states "Touch-sensitive	
detecting one or more	LCD screen (includes stylus)"	
first finger contacts	The Torre 700 is desired to	
with the touch screen	The Treo 700 is designed to	
display while a web browser application is	work with physical buttons	
displayed on the touch	and a stylus, and works only imprecisely in response to	
screen display;	finger contacts.	
screen display,	iniger contacts.	
	p. 160 states "Viewing a Web	
	Page."	
instructions for	The Treo 700 may use	
applying a first set of	heuristics to translate	
heuristics for the web	imprecise finger gestures into	
browser application to	commands for a web browser	
the one or more first	application.	\mid
finger contacts to		
determine a first	But the user guide does not	
command for the	expressly disclose such	
device; and	heuristics.	
instructions for	If the Treo 700 actually uses	
processing the first	finger-contact heuristics to	
command;	determine a command, then	
	the "Intel XScaleTM	
	processor, 312 MHz" (p. 378)	
	would process such a	
1 1 6 4 6	command.	
wherein the first set of		
heuristics comprises:	m 161 states 110 - m 11 (1 - m - 1	
the vertical screen	p. 161 states "Scroll through	
scrolling heuristic; and	the page: In Optimized Mode (the default format, which is	
	optimized for your device	\mid
	screen), press Up or Down."	
	bereen, press op or bown.	

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
- D	Smart Device Treo TM 700	maps/
	by Palm" user manual	
	But the Treo 700 does not	
	have "a vertical screen	
	scrolling <u>heuristic</u> for	
	determining that the one or	
	more <u>finger contacts</u>	
	correspond to a one-	
	dimensional vertical screen	
	scrolling command rather	
	than a two-dimensional	
	screen translation command "	
	as required by this claim.	
	Rather, the Treo 700 uses a	
	deterministic push of a	
	physical button (i.e., a 5-way	
	toggle button) to scroll	/
the two-dimensional	p. 161 states "In Wide Page	$\langle \hspace{1cm} \rangle$
screen translation	Mode, press Up, Down, Left	\
heuristic; and	, or Right to scroll in all	
mourisite, and	directions."	\
	directions.	
	But the Treo 700 does not	
	have "a two-dimensional	
	screen translation heuristic for	
	determining that the one or	
	more <u>finger contacts</u>	
	correspond to the two-	
	dimensional screen	
	translation command rather	
	than the one-dimensional	l X I
	vertical screen scrolling	/\
	command" as required by this	/ \
	claim. Rather, the Treo 700	/ \
	uses a deterministic push of a physical button (i.e., a 5-way	/ \
	toggle button) to scroll	/
	vertically, horizontally, or to	/
	alternate between vertical and	/
	horizontal scrolling so that all	/
	of a Web page may be	/
	viewed. The Treo 700 does	/
	not provide for two-	/
	dimensional screen	\bigvee

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
common number	Smart Device Tree TM 700	maps/
	by Palm" user manual	*
	translation (i.e., simultaneous	
	vertical and horizontal screen	
	translation).	
instructions for	p. 378 states "Touch-sensitive	
detecting one or more	LCD screen (includes stylus)"	
second finger contacts	, ,	
with the touch screen	The Treo 700 is designed to	
display while a photo	work with physical buttons	
album application is	and a stylus, and works only	\times
displayed on the touch	imprecisely in response to	
screen display;	finger contacts.	
	p. 193 states "Viewing	
	Pictures and Videos."	
instructions for	The Treo 700 may use	
applying a second set	heuristics to translate	
of heuristics for the	imprecise finger gestures into	
photo album	commands for a photo album	
application to the one	application.	
or more second finger		
contacts to determine a	But the user guide does not	
second command for	expressly disclose such	
the device; and	heuristics.	
instructions for	If the Treo 700 actually uses	
processing the second	finger-contact heuristics to	
command;	determine a command, then	
	the "Intel XScaleTM	
	processor, 312 MHz" (p. 378)	
	would process such a	
wherein the second set	command.	
of heuristics		
comprises: the next item heuristic,	p. 193 states "4. Press Right	
wherein the respective	or Left to scroll to the next	
item in the set of items	item in the album."	
is a respective image	item in the arount.	
in a set of images; and	But the Treo 700 does not	
in a set of infages, and	have "a next item heuristic for	<u> </u>
	determining that the one or	
	more <u>finger contacts</u>	
	correspond to a command," as	
	required by this claim.	

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
Cium Danguage	Smart Device Tree TM 700	maps/
	by Palm" user manual	*****
	Rather, the Treo 700 uses a	
	deterministic push of a	
	physical button to go to a next	
	item.	
a heuristic for	p. 193 states "4. Press Right	
determining that the	or Left to scroll to the next	
one or more second	item in the album."	
finger contacts		
correspond to a	But the Treo 700 does not	
command to transition	have "a <u>heuristic</u> for	
from displaying the	determining that the one or	
respective image in the	more second <u>finger contacts</u>	
set of images to	correspond to a command to	\mid
displaying a previous	transition from displaying the	
image in the set of	respective image in the set of	
images.	images to displaying a previous image in the set of	
	images," as required by this	
	claim. Rather, the Treo 700	
	uses a deterministic push of a	
	physical button to go to a	
	previous item.	\bigvee
10. The computing	p. 161 states "In Wide Page	
device of claim 9,	Mode, press Up, Down, Left	
wherein the first set of	, or Right to scroll in all	
heuristics comprises a	directions."	
heuristic for	D	
determining that the	But the Treo 700 does not	
one or more first finger	have "a heuristic for	
contacts correspond to	determining that the one or	
a one-dimensional horizontal screen	more first <u>finger contacts</u> correspond to a one-	
scrolling command	dimensional horizontal screen	X
rather than the two-	scrolling command rather	
dimensional screen	than the two-dimensional	
translation command.	screen translation command"	
	as required by this claim.	/
	Rather, the Treo 700 uses a	/
	deterministic push of a	/
	physical button (i.e., a 5-way	/
	toggle button) to scroll	/
	horizontally.	/
11. A computer-	p. 6, Figure	http://www.google.com/apis/m

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
implemented method,	vy i aim usei manuai	aps/ is accessed by a browser
comprising:		program.
at a computing device	p. 6, Figure; p. 378 states	
with a touch screen	"Touch-sensitive LCD screen	
display,	(includes stylus)"	
detecting one or more	p. 378 states "Touch-sensitive	
finger contacts with	LCD screen (includes stylus)"	
the touch screen		
display;	The Treo 700 is designed to	
	work with physical buttons	
	and a stylus, and works only	
	imprecisely in response to	
applying one or more	finger contacts. The Treo 700 may use	\leftarrow
heuristics to the one or	heuristics to translate	
more finger contacts to	imprecise finger gestures into	
determine a command	commands.	
for the device; and	Communas.	
	But the user guide does not	
	expressly disclose such	
	heuristics.	
processing the	If the Treo 700 actually uses	
command;	finger-contact heuristics to	
	determine a command for a	
	web browser application, then	
	the "Intel XScaleTM	
	processor, 312 MHz" (p. 378)	
	would process such a	
wherein the one or	command.	
more heuristics		
comprise:		
a vertical screen	p. 161 states "Scroll through	
scrolling heuristic for	the page: In Optimized Mode	
determining that the	(the default format, which is	
one or more finger	optimized for your device	
contacts correspond to	screen), press Up or Down."	
a one-dimensional	1	\mid \mid
vertical screen	But the Treo 700 does not	
scrolling command	have "a vertical screen	
rather than a two-	scrolling <u>heuristic</u> for	
dimensional screen	determining that the one or	
translation command;	more finger contacts	\vee

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
	correspond to a one- dimensional vertical screen scrolling command <u>rather</u> than a two-dimensional screen translation command " as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way	
a two-dimensional	toggle button) to scroll vertically. p. 161 states "In Wide Page	
screen translation heuristic for determining that the one or more finger	Mode, press Up, Down, Left, or Right to scroll in all directions."	
contacts correspond to the two-dimensional screen translation command rather than the one-dimensional	But the Treo 700 does not have "a two-dimensional screen translation heuristic for determining that the one or more finger contacts	
vertical screen scrolling command; and	correspond to the two- dimensional screen translation command rather than the one-dimensional vertical screen scrolling	
	command" as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way	
	toggle button) to scroll vertically, horizontally, or to alternate between vertical and horizontal scrolling so that all	
	of a Web page may be viewed. The Treo 700 does not provide for two-dimensional screen	
	translation (i.e., <u>simultaneous</u> vertical and horizontal screen translation).	
a next item heuristic for determining that	p. 193 states "4. Press Right or Left to scroll to the next	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	item in the album." But the Treo 700 does not have "a next item heuristic for determining that the one or more finger contacts correspond to a command," as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button to go to a next item.	
12. The computer-implemented method of claim 11, including:		
while displaying a web browser application,	p. 160 states "Viewing a Web Page."	http://www.google.com/apis/m aps/ is displayed by a browser program.
detecting one or more first finger contacts with the touch screen display;	p. 378 states "Touch-sensitive LCD screen (includes stylus)" The Treo 700 is designed to work with physical buttons and a stylus, and works only imprecisely in response to finger contacts.	
applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and	The Treo 700 may use heuristics to translate imprecise finger gestures into commands for a web browser application. But the user guide does not expressly disclose such heuristics.	
processing the first command; wherein the first set of	If the Treo 700 actually uses finger-contact heuristics to determine a command, then the "Intel XScaleTM processor, 312 MHz" (p. 378) would process such a command.	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700	http://www.google.com/apis/ maps/
	by Palm" user manual	
heuristics comprises:		
the vertical screen scrolling heuristic; and	p. 161 states "Scroll through the page: In Optimized Mode (the default format, which is optimized for your device screen), press Up or Down."	
	But the Treo 700 does not have "a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command" as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way toggle button) to scroll vertically.	
the two-dimensional screen translation heuristic; and	p. 161 states "In Wide Page Mode, press Up, Down, Left, or Right to scroll in all directions."	
	But the Treo 700 does not have "a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command" as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way toggle button) to scroll	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
	vertically, horizontally, or to alternate between vertical and horizontal scrolling so that all of a Web page may be viewed. The Treo 700 does not provide for two-dimensional screen translation (i.e., simultaneous vertical and horizontal screen translation).	
while displaying a photo album application,	p. 193 states "Viewing Pictures and Videos."	
detecting one or more second finger contacts with the touch screen display;	p. 378 states "Touch-sensitive LCD screen (includes stylus)" The Treo 700 is designed to work with physical buttons and a stylus, and works only imprecisely in response to finger contacts.	
applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and	The Treo 700 may use heuristics to translate imprecise finger gestures into commands for a photo album application. But the user guide does not expressly disclose such	
processing the second command;	heuristics. If the Treo 700 actually uses finger-contact heuristics to determine a command, then the "Intel XScaleTM processor, 312 MHz" (p. 378) would process such a command.	
wherein the second set of heuristics comprises:		
the next item heuristic, wherein the respective item in the set of items	p. 193 states "4. Press Right or Left to scroll to the next item in the album."	

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Tree TM 700	maps/
	by Palm" user manual	
is a respective image		
in a set of images; and	But the Treo 700 does not	
	have "a next item heuristic for	
	determining that the one or	
	more <u>finger contacts</u>	
	correspond to a command," as	X
	required by this claim.	
	Rather, the Treo 700 uses a	
	deterministic push of a	
	physical button to go to a next	
	item.	
a heuristic for	p. 193 states "4. Press Right	/
determining that the	or Left to scroll to the next	
one or more second	item in the album."	
finger contacts		
correspond to a	But the Treo 700 does not	
command to transition	have "a <u>heuristic</u> for	
from displaying the	determining that the one or	
respective image in the	more second <u>finger contacts</u>	
set of images to	correspond to a command to	\setminus
displaying a previous	transition from displaying the	
image in the set of	respective image in the set of	
images.	images to displaying a	
	previous image in the set of	
	images," as required by this	
	claim. Rather, the Treo 700	
	uses a deterministic push of a	
	physical button to go to a	
12 The computer	previous item.	<u> </u>
13. The computer-	p. 161 states "In Wide Page	
implemented method of claim 12, wherein	Mode, press Up, Down,	
the first set of	Left, or Right to scroll in all directions."	
heuristics comprises a	directions.	
heuristic for	But the Treo 700 does not	
determining that the	have "a heuristic for	
one or more first finger	determining that the one or	X
contacts correspond to	more first finger contacts	
a one-dimensional	correspond to a one-	
horizontal screen	dimensional horizontal screen	
scrolling command	scrolling command rather	
rather than the two-	than the two-dimensional	
dimensional screen	screen translation command "	
aimensional screen	screen translation command."	✓

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Tree TM 700 by Palm" user manual	maps/
translation command.	as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way toggle button) to scroll horizontally.	
14. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen		
scrolling command. 15. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation		
command. 16. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a		

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
	Smart Device Treo TM 700	maps/
	by Palm" user manual	
finger swipe gesture		
that initially moves		
within a predetermined		
angle of being		
perfectly horizontal		
with respect to the		
touch screen display		
corresponds to a one-		
dimensional horizontal		
screen scrolling		
command rather than		
the two-dimensional		
screen translation		
command.		
17. A computer	p. 171, step 5;	http://www.google.com/apis/m
readable storage	p. 379 lists "Included	aps/ is accessed by a browser
medium having stored	software"	program which may be stored
therein instructions,		in a computer readable storage
which when executed		medium.
by a device with a		
touch screen display,		
cause the device to:		
detect one or more	p. 378 states "Touch-sensitive	
finger contacts with	LCD screen (includes stylus)"	
the touch screen		
display;	The Treo 700 is designed to	
•	work with physical buttons	
	and a stylus, and works only	
	imprecisely in response to	
	finger contacts.	$\langle \hspace{1cm} \rangle$
apply one or more	The Treo 700 may use	
heuristics to the one or	heuristics to translate	
more finger contacts to	imprecise finger gestures into	
determine a command	commands.	\mid
for the device; and	Dest the second suit 1	
	But the user guide does not	
	expressly disclose such	
1	heuristics.	$\langle \hspace{1cm} \rangle$
process the command;	If the Treo 700 actually uses	
	finger-contact heuristics to	
	determine a command for a	
	web browser application, then	
	the "Intel XScaleTM	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
	processor, 312 MHz" (p. 378)	
	would process such a	
	command.	
wherein the one or		
more heuristics		
comprise:		
a vertical screen	p. 161 states "Scroll through	<u> </u>
scrolling heuristic for	the page: In Optimized Mode	
determining that the	(the default format, which is	
one or more finger	optimized for your device	
contacts correspond to	screen), press Up or Down."	
a one-dimensional		
vertical screen	But the Treo 700 does not	
scrolling command	have "a vertical screen	
rather than a two-	scrolling <u>heuristic</u> for	
dimensional screen	determining that the one or	
translation command;	more finger contacts	\bigvee
	correspond to a one-	
	dimensional vertical screen	
	scrolling command rather	
	than a two-dimensional	
	screen translation command "	
	as required by this claim.	
	Rather, the Treo 700 uses a	
	deterministic push of a	
	physical button (i.e., a 5-way	
	toggle button) to scroll	/
1: 1	vertically.	(
a two-dimensional	p. 161 states "In Wide Page	
screen translation	Mode, press Up, Down,	
heuristic for	Left, or Right to scroll in all directions."	
determining that the	directions.	
one or more finger contacts correspond to	But the Treo 700 does not	
the two-dimensional	have "a two-dimensional	
screen translation	screen translation heuristic for	\backslash
command rather than	determining that the one or	
the one-dimensional	more <u>finger contacts</u>	
vertical screen	correspond to the two-	
scrolling command;	dimensional screen	
and	translation command rather	\
	than the one-dimensional	
	vertical screen scrolling	/

Claim Language	Smart Device Treo TM 700 maps/ by Palm" user manual	
	command" as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button (i.e., a 5-way toggle button) to scroll vertically, horizontally, or to alternate between vertical and horizontal scrolling so that all of a Web page may be viewed. The Treo 700 does not provide for two-dimensional screen translation (i.e., simultaneous vertical and horizontal screen translation).	
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	p. 193 states "4. Press Right or Left to scroll to the next item in the album." But the Treo 700 does not have "a next item heuristic for determining that the one or more finger contacts correspond to a command," as required by this claim. Rather, the Treo 700 uses a deterministic push of a physical button to go to a next item.	
18. The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display, cause the device to:	p. 171, step 5; p. 379 lists "Included software"	http://www.google.com/apis/m aps/ is accessed by a browser program which may be stored in a computer readable storage medium.
while displaying a web browser application,	p. 160 states "Viewing a Web Page."	http://www.google.com/apis/m aps/ is displayed by a browser program.

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
detect one or more first finger contacts with the touch screen	p. 378 states "Touch-sensitive LCD screen (includes stylus)"	
display;	The Treo 700 is designed to work with physical buttons and a stylus, and works only imprecisely in response to finger contacts.	
apply a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first	The Treo 700 may use heuristics to translate imprecise finger gestures into commands for a web browser application.	
command for the device; and	But the user guide does not expressly disclose such heuristics.	
process the first command;	If the Treo 700 actually uses finger-contact heuristics to determine a command, then the "Intel XScaleTM processor, 312 MHz" (p. 378) would process such a command.	
wherein the first set of heuristics comprises:		
the vertical screen scrolling heuristic; and	p. 161 states "Scroll through the page: In Optimized Mode (the default format, which is optimized for your device screen), press Up or Down."	
	But the Treo 700 does not have "a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen	
	scrolling command rather than a two-dimensional screen translation command " as required by this claim.	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
	Rather, the Treo 700 uses a	
	deterministic push of a	
	physical button (i.e., a 5-way	
	toggle button) to scroll	
	vertically.	
the two-dimensional	p. 161 states "In Wide Page	\ /
screen translation	Mode, press Up, Down, Left	\
heuristic; and	, or Right to scroll in all	
	directions."	
	But the Treo 700 does not	
	have "a two-dimensional	
	screen translation heuristic for	
	determining that the one or	
	more finger contacts	/ /
	correspond to the two-	
	dimensional screen	
	translation command rather	
	than the one-dimensional	\ /
	vertical screen scrolling	\ \ \
	command" as required by this	\setminus
	claim. Rather, the Treo 700	/ \
	uses a deterministic push of a	/ \
	physical button (i.e., a 5-way	/ \
	toggle button) to scroll	/ /
	vertically, horizontally, or to	/
	alternate between vertical and horizontal scrolling so that all	/
	of a Web page may be	/
	viewed. The Treo 700 does	/
	not provide for two-	/
	dimensional screen	/
	translation (i.e., simultaneous	\
	vertical and horizontal screen	/
	translation).	V
while displaying a	p. 193 states "Viewing	
photo album	Pictures and Videos."	
application,		
detect one or more	p. 378 states "Touch-sensitive	
second finger contacts	LCD screen (includes stylus)"	
with the touch screen		
display;	The Treo 700 is designed to	
	work with physical buttons	

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
	and a stylus, and works only	
	imprecisely in response to	
	finger contacts.	
apply a second set of	The Treo 700 may use	
heuristics for the photo	heuristics to translate	
album application to	imprecise finger gestures into	
the one or more second	commands for a photo album	
finger contacts to	application.	\mid
determine a second		
command for the	But the user guide does not	
device; and	expressly disclose such	
	heuristics.	
process the second	If the Treo 700 actually uses	
command;	finger-contact heuristics to	
	determine a command, then	
	the "Intel XScaleTM	\mid
	processor, 312 MHz" (p. 378)	
	would process such a	
	command.	
wherein the second set		
of heuristics		
comprises:		
the next item heuristic,	p. 193 states "4. Press Right	
wherein the respective	or Left to scroll to the next	
item in the set of items	item in the album."	
is a respective image	D + 1 T 700 1	
in a set of images; and	But the Treo 700 does not	
	have "a next item heuristic for	
	determining that the one or	\mid
	more <u>finger contacts</u>	
	correspond to a command," as	
	required by this claim.	
	Rather, the Treo 700 uses a	
	deterministic push of a physical button to go to a next	
	item.	
a heuristic for	p. 193 states "4. Press Right	
determining that the	or Left to scroll to the next	
one or more second	item in the album."	
finger contacts		\mid \mid
correspond to a	But the Treo 700 does not	
command to transition	have "a heuristic for	
from displaying the	determining that the one or	

Claim Language	"Sprint Power Vision	http://www.google.com/apis/
Ciann Language	Smart Device Tree Tree 700	maps/
	by Palm" user manual	
respective image in the	more second finger contacts	
set of images to	correspond to a command to	
displaying a previous	transition from displaying the	
image in the set of	respective image in the set of	
images.	images to displaying a	
	previous image in the set of	I X I
	images," as required by this	
	claim. Rather, the Treo 700	
	uses a deterministic push of a	
	physical button to go to a	
10 771	previous item.	
19. The computer	/	/
readable storage		
medium of claim 17,		
wherein, in one heuristic of the one or		
more heuristics, a		
contact comprising a		
finger swipe gesture		
that initially moves		
within a predetermined	X	X
angle of being		
perfectly vertical with		
respect to the touch		
screen display		
corresponds to the		
one-dimensional		
vertical screen		
scrolling command.	\	\bigvee
20. The computer		
readable storage		
medium of claim 17,		
wherein, in one		
heuristic of the one or		
more heuristics, a		
contact comprising a	\times	\mid
moving finger gesture		
that initially moves		
within a predefined		
range of angles		
corresponds to the two-dimensional		
screen translation		/
screen translation	V \	\checkmark

Claim Language	"Sprint Power Vision Smart Device Treo TM 700 by Palm" user manual	http://www.google.com/apis/ maps/
command.		

Detailed Explanation of Patentability:

35 U.S.C. § 102

"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." MPEP § 2131 citing *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). . . . "The identical invention must be shown in as complete detail as is contained in the ... claim." MPEP § 2131 citing *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).

All of claims 1-20 include the "vertical screen scrolling heuristic" element:

"a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command" (Independent claims 1, 11, and 17).

As shown in the two charts in the preceding section, the references deemed most closely related to the subject matter of the claims do not teach or suggest this claim element, either expressly or inherently.

Similarly, all of claims 1-20 include the "two-dimensional screen translation heuristic" element:

"a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command" (Independent claims 1, 11, and 17).

As shown in the two charts in the preceding section, the references deemed most closely related to the subject matter of the claims do not teach or suggest this claim element, either expressly or inherently.

In addition, as shown in the two charts in the preceding section, the references deemed most closely related to the subject matter of the claims do not teach or suggest at least one of the claim elements added in each of dependent claims 2-10, 12-16, and 18-20, either expressly or inherently. For example, as shown in the two charts in the preceding section for dependent claim 2, the references deemed most closely related to the subject matter of the claims do not teach or suggest the claim element added in dependent claim 2 (i.e., the added claim element "wherein the one or more heuristics include a heuristic for determining that the one or more finger contacts correspond to a command to translate content within a frame rather than translating an entire page that includes the frame."), either expressly or inherently.

Thus, at least two elements in each of independent claims 1, 11, and 17 and at least three elements in each of dependent claims 2-10, 12-16, and 18-20 are not taught or suggested by the references deemed most closely related.

Applicants respectfully submit that for at least the reasons set forth above, the references deemed most closely related to the subject matter of the claims do not anticipate any of claims 1-20 of the above captioned patent application under 35 U.S.C. § 102(a)-(g) at least because none of these references discloses each and every limitation of any of claims 1-20. MPEP §2131.

35 U.S.C. § 103(a)

One of the criteria required to establish a prima facie case of obviousness is that the prior art must teach or suggest all the claim limitations. MPEP §2143.

Applicants respectfully submit that the references deemed most closely related to the subject matter of the claims, either standing alone or in combination, do not render claims 1-20 of the above-captioned patent application obvious under 35 U.S.C. § 103(a) because, as explained in the two charts above, at least two elements in each of independent claims 1, 11, and 17 and at least three elements in each of dependent claims 2-10, 12-16, and 18-20 are not taught or suggested by any of the references deemed most closely related to the subject matter of the claims. MPEP §2143.

Concise Statement of Utility:

The invention as claimed in independent claims 1, 11, and 17 has utility at least because it translates imprecise finger gestures into precise, user-intended commands, thereby enabling electronic devices with touch screen displays to behave in a manner desired by the user despite inaccurate input by the user.

Showing of Support under 35 USC 112, First Paragraph:

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. 60/937,991, to	no. 60/937,993, to
	· ·	the above captioned	which the above	which the above
		application claims	captioned application	captioned application
		benefit	claims benefit	claims benefit
1. A computing device,	At least paragraph	At least paragraph	At least paragraph	At least paragraph
comprising:	0095; and Figures 1A-	0095; and Figures 1A-	0094; and Figures 1A-	0084; and Figures 1A-
	1B.	1B.	IB.	IB.
a touch screen display;	At least paragraph	At least paragraph	At least paragraph	At least paragraph
	0095; and Figures 1A-	0095; and Figures 1A-	0094; and Figures 1A-	0084; and Figures 1A-
	1B.	1B.	1B.	1B.
one or more processors;	At least paragraph	At least paragraph	At least paragraph	At least paragraph
	0095; and Figures 1A-	0095; and Figures 1A-	0094; and Figures 1A-	0084; and Figures 1A-
	1B.	1B.	1B.	1B.
memory; and	At least paragraph	At least paragraph	At least paragraph	At least paragraph
	0095; and Figures 1A-	0095; and Figures 1A-	0094; and Figures 1A-	0084; and Figures 1A-
	1B.	1B.	1B.	1B.
one or more programs,	At least paragraph	At least paragraph	At least paragraph	At least paragraph
wherein the one or more	0115; and Figures 1A-	0115; and Figures 1A-	0114; and Figures 1A-	0104; and Figures 1A-
programs are stored in the	1B.	1B.	1B.	1B.
memory and configured to				
be executed by the one or				
more processors, the one or				
more programs including:				
instructions for detecting	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
one or more finger contacts	0011, 0012, 0830, and	0011, 0012, 0830, and	0011, 0012, 0796, and	0819; claim 171; and
with the touch screen	0861; and Figures	0861; and Figures 64A-	0827; and Figures 64A-	Figure 39C.

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Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
display;	64A-64B.	64B.	64B.	
instructions for applying	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
one or more heuristics to	0011, 0012, 0831, and	0011, 0012, 0831, and	0011, 0012, 0797, and	0820; claim 171; and
the one or more finger	0862; and Figures	0862; and Figures 64A-	0828; and Figures 64A-	Figure 39C.
contacts to determine a	64A-64B.	64B.	64B.	
command for the device;				
and				
instructions for processing	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
the command;	0011, 0012, and 0831;	0011, 0012, and 0831;	0011, 0012, and 0797;	0820; claim 171; and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	Figure 39C.
wherein the one or more	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprise:	0011, 0012, and 0832;	0011, 0012, and 0832;	0011, 0012, and 0798;	0821; claim 171; and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	Figure 39C.
a vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic for determining	0011, 0012, 0445,	0011, 0012, 0445,	0011, 0012, 0432,	0434, 0435, 0821, 836,
that the one or more finger	0446, 0832, and 0862;	0446, 0832, and 0862;	0433, 0798, 0813,	and 837; claim 171;
contacts correspond to a	and Figures 39C, 64A,	and Figures 39C, 64A,	0814, and 0828; and	and Figure 39C.
one-dimensional vertical	and 64B.	and 64B.	Figures 39C and 64A-	
screen scrolling command			64B.	
rather than a two-				
dimensional screen				
translation command;				
a two-dimensional screen	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
translation heuristic for	0011, 0012, 0445,	0011, 0012, 0445,	0011, 0012, 0432,	0434, 0435, 0821, 836,

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above captioned patent application	limitation in US application no. 11/850,635, to which the above captioned application claims benefit	limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
determining that the one or more finger contacts correspond to the two- dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and	0446, 0832, and 0862; and Figures 39C, 64A, and 64B.	0446, 0832, and 0862; and Figures 39C, 64A, and 64B.	0433, 0798, 0813, 0814, and 0828; and Figures 39C, 64A, and 64B.	and 837; claim 171; and Figure 39C.
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	At least paragraphs 0011, 0012, and 0832; and Figures 16A, 24A, 64A, and 64B.	At least paragraphs 0011, 0012, and 0832; and Figures 16A, 24A, 64A, and 64B.	At least paragraphs 0011, 0012, and 0798; and Figures 16A, 24A, and 64A, and 64B.	At least paragraph 0821; claim 171; and Figures 16A and 24A.
2. The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining that the one or more finger contacts correspond to a command to translate	At least paragraphs 0843, 0856, and 0868; and Figures 42A-42C.	At least paragraphs 0843, 0856, and 0868; and Figures 42A-42C.	At least paragraphs 0809, 0822, and 0834; and Figures 42A-42C.	At least paragraphs 0832 and 0845; and Figures 42A-42C.

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
rather than translating an entire page that includes the frame.				
3. The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining which user interface object is selected when two user interface objects have overlapping hit regions.	At least paragraph 0846; and Figures 58A-58D.	At least paragraph 0846; and Figures 58A- 58D.	At least paragraph 0812; and Figures 58A-58D.	At least paragraph 0835; and Figures 58A-58D.
4. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen	At least paragraphs 0445 and 0847; and Figure 39C.	At least paragraphs 0445 and 0847; and Figure 39C.	At least paragraphs 0432 and 0813; and Figure 39C.	At least paragraphs 0434 and 0836; and Figure 39C.

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
scrolling command.				
5. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 0433 and 0814; and Figure 39C.	At least paragraphs 0435 and 0837; and Figure 39C.
6. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command	At least paragraphs 0012, 0016, 0531, and 0862; and Figures 39G, and 64B.	At least paragraphs 0012, 0016, 0531, and 0862; and Figures 39G, and 64B.	At least paragraphs 0012, 0016, 0531, 0815, and 0828; and Figures 39G, and 64B.	At least paragraphs 0825, 837, and 838; and Figure 39G.

rather than the two-dimensional screen	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
translation command.				
7. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a simultaneous two-thumb twisting gesture corresponds to a 90° screen rotation command.	At least paragraph 0853; and Figures 57A-57C.	At least paragraph 0853; and Figures 57A-57C.	At least paragraph 0819; and Figures 57A-57C.	At least paragraph 0842; and Figures 57A-57C.
8. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, an N-finger translation gesture corresponds to a command to translate an entire page of content and an M-finger translation gesture corresponds to a command to translate content within a frame rather than translating the entire page	At least paragraph 0856; and Figures 42A-42C.	At least paragraph 0856; and Figures 42A-42C.	At least paragraph 0822; and Figures 42A-42C.	At least paragraph 0845; and Figures 42A-42C.

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above captioned patent application	limitation in US application no. 11/850,635, to which the above captioned application claims benefit	limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
of content that includes the				
9. The computing device of claim 1, including:	At least paragraph 0095; and Figures 1A- 1B.	At least paragraph 0095; and Figures 1A- 1B.	At least paragraph 0094; and Figures 1A- 1B.	At least paragraph 0084; and Figures 1A- 1B.
instructions for detecting one or more first finger contacts with the touch screen display while a web browser application is displayed on the touch screen display;	At least paragraphs 0012, 0860, and 0861; and Figure 64B.	At least paragraphs 0012, 0860, and 0861; and Figure 64B.	At least paragraphs 0012, 0826, and 0827; and Figure 64B.	At least paragraph 0819; and Figures 39A-39D.
instructions for applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and	At least paragraphs 0012 and 0862; and Figure 64B.	At least paragraphs 0012 and 0862; and Figure 64B.	At least paragraphs 0012 and 0828; and Figure 64B.	At least paragraph 0820; and Figures 39A-39D.
instructions for processing the first command;	At least paragraphs 0012 and 0863; and Figure 64B.	At least paragraphs 0012 and 0863; and Figure 64B.	At least paragraphs 0012 and 0829; and Figure 64B.	At least paragraph 0820; and Figures 39A-39D.
wherein the first set of heuristics comprises:	At least paragraphs 0012 and 0862; and	At least paragraphs 0012 and 0862; and	At least paragraphs 0012 and 0828; and	At least paragraph 0821; and Figures 39A-

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850.635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims	captioned application	captioned application
		benefit	claims benefit	claims benefit
	Figure 64B.	Figure 64B.	Figure 64B.	39D.
the vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic; and	0012, 0445, 0446,	0012, 0445, 0446,	0012, 0432, 0433,	0434, 0435, 0821, 836,
	0832, and 0862; and	0832, and 0862; and	0798, 0813, 0814, and	and 837; claim 171;
	Figures 39C and 64B.	Figures 39C and 64B.	0828; and Figures 39C	and Figure 39C.
			and 64B.	
the two-dimensional screen	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
translation heuristic; and	0012, 0445, 0446,	0012, 0445, 0446,	0012, 0432, 0433,	0434, 0435, 0821, 836,
	0832, and 0862; and	0832, and 0862; and	0798, 0813, 0814, and	and 837; claim 171;
	Figures 39C and 64B.	Figures 39C and 64B.	0828; and Figures 39C	and Figure 39C.
			and 64B.	
instructions for detecting	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
one or more second finger	0012 and 0870; and	0012 and 0870; and	0012 and 0836; and	0819; and Figures 12A
contacts with the touch	Figures 12A, 16A, and	Figures 12A, 16A, and	Figures 12A, 16A, and	and 16A.
screen display while a	64B.	64B.	64B.	
photo album application is				
displayed on the touch				
screen display;				
instructions for applying a	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
second set of heuristics for	0012 and 0871; and	0012 and 0871; and	0012 and 0837; and	0820; and Figures 12A
the photo album application	Figure 64B.	Figure 64B.	Figure 64B.	and 16A.
to the one or more second				
finger contacts to determine				
a second command for the				

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850.635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
device; and		oenent .	Cianto Cenera	Cidning Oction
instructions for processing	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
the second command;	0012 and 0872; and	0012 and 0872; and	0012 and 0838; and	0820; and Figures 12A
	Figure 64B.	Figure 64B.	Figure 64B.	and 16A.
wherein the second set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprises:	0012 and 0871; and	0012 and 0871; and	0012 and 0837; and	0821; and Figures 12A
	Figure 64B.	Figure 64B.	Figure 64B.	and 16A.
the next item heuristic,	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
wherein the respective item	0012 and 0871; and	0012 and 0871; and	0012 and 0837; and	0821; and Figures 12Λ
in the set of items is a	Figures 12A, 16A, and	Figures 12A, 16A, and	Figures 12A, 16A, and	and 16A.
respective image in a set of	64B.	64B.	64B.	
images; and				
a heuristic for determining	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
that the one or more second	0012 and 0871; and	0012 and 0871; and	0012 and 0837; and	0822; and Figures 12A
finger contacts correspond	Figures 12A, 16A, and	Figures 12A, 16A, and	Figures 12A, 16A, and	and 16A.
to a command to transition	64B.	64B.	64B.	
from displaying the				
respective image in the set				
of images to displaying a				
previous image in the set of				
images.				
10. The computing device	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
of claim 9, wherein the first	0012, 0531, and 0862;	0012, 0531, and 0862;	0012, 0016, 0531,	0825, 837, and 838;
set of heuristics comprises	and Figures 39G and	and Figures 39G and	0815, and 0828; and	and Figure 39G.

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.	64B.	64B.	Figures 39G and 64B.	
11. A computer- implemented method, comprising:	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraph 0079; claims 144 and 145; and Figures 39A- 39D.
at a computing device with a touch screen display,	At least paragraphs 0009, 0010, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0009, 0010, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0009, 0010, and 0094; and Figures 1A-1B and 64A-64B.	At least paragraph 0084; and Figures 1A-1B.
detecting one or more finger contacts with the touch screen display;	At least paragraphs 0009, 0010, 0830, and 0861; and Figures 64A-64B.	At least paragraphs 0009, 0010, 0830, and 0861; and Figures 64A-64B.	At least paragraphs 0009, 0010, 0796, and 0827; and Figures 64A- 64B.	At least paragraph 0819; claims 144 and 145; and Figure 39C.
applying one or more heuristics to the one or more finger contacts to determine a command for	At least paragraphs 0009, 0010, 0831, and 0862; and Figures 64A-64B.	At least paragraphs 0009, 0010, 0831, and 0862; and Figures 64A-64B.	At least paragraphs 0009, 0010, 0797, and 0828; and Figures 64Λ-64Β.	At least paragraph 0820; claims 144 and 145; and Figure 39C.

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
l .	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims	captioned application	captioned application
		benefit	claims benefit	claims benefit
the device; and				
processing the command;	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
	0009, 0010, and 0831;	0009, 0010, and 0831;	0009, 0010, and 0797;	0820; claims 144 and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	145; and Figure 39C.
wherein the one or more	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprise:	0009, 0010, and 0832;	0009, 0010, and 0832;	0009, 0010, and 0798;	0821; claims 144 and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	145; and Figure 39C.
a vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic for determining	0009, 0010, 0445,	0009, 0010, 0445,	0009, 0010, 0432,	0434, 0435, 0821, 836,
that the one or more finger	0446, and 0832; and	0446, and 0832; and	0433, 0798, 0813, and	and 837; claims 144
contacts correspond to a	Figures 39C and 64A-	Figures 39C and 64A-	0814; and Figures 39C	and 145; and Figure
one-dimensional vertical	64B.	64B.	and 64A-64B.	39C.
screen scrolling command				
rather than a two-				
dimensional screen				
translation command;				
a two-dimensional screen	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
translation heuristic for	0009, 0010, 0445,	0009, 0010, 0445,	0009, 0010, 0432,	0434, 0435, 0821, 836,
determining that the one or	0446, and 0832; and	0446, and 0832; and	0433, 0798, 0813, and	and 837; claims 144
more finger contacts	Figures 39C, 64A, and	Figures 39C, 64A, and	0814; and Figures 39C,	and 145; and Figure
correspond to the two-	64B.	64B.	64A, and 64B.	39C.
dimensional screen				
translation command rather				
than the one-dimensional				

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application
		benefit	claims benefit	claims benefit
vertical screen scrolling command; and				
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	At least paragraphs 0009, 0010, and 0832; and Figures 16A, 24A, and 64A-64B.	At least paragraphs 0009, 0010, and 0832; and Figures 16A, 24A, and 64A-64B.	At least paragraphs 0009, 0010, and 0798; and Figures 16A, 24A, and 64A-64B.	At least paragraph 0821; claims 144 and 145; and Figures 16A and 24A.
12. The computer- implemented method of claim 11, including:	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraphs 0009 and 0010; and Figures 64A-64B.	At least paragraph 0079; claims 144 and 145; and Figures 39A- 39D.
while displaying a web browser application,	At least paragraphs 0009, 0010, and 0860-0861; and Figure 64B.	At least paragraphs 0009, 0010, and 0860-0861; and Figure 64B.	At least paragraphs 0009, 0010, and 0826-0827; and Figure 64B.	At least paragraph 0819; and Figures 39A-39D.
detecting one or more first finger contacts with the touch screen display;	At least paragraphs 0009, 0010, and 0860-0861; and Figure 64B.	At least paragraphs 0009, 0010, and 0860-0861; and Figure 64B.	At least paragraphs 0009, 0010, and 0826-0827; and Figure 64B.	At least paragraph 0819; and Figures 39A-39D.
applying a first set of heuristics for the web browser application to the	At least paragraphs 0009, 0010, and 0862; and Figure 64B.	At least paragraphs 0009, 0010, and 0862; and Figure 64B.	At least paragraphs 0009, 0010, and 0828; and Figure 64B.	At least paragraph 0820; and Figures 39A-39D.

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
one or more first finger				
contacts to determine a first				
command for the device;				
and				
processing the first	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
command;	0009, 0010, and 0863;	0009, 0010, and 0863;	0009, 0010, and 0829;	0820; and Figures 39A-
	and Figure 64B.	and Figure 64B.	and Figure 64B.	39D.
wherein the first set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprises:	0009, 0010, and 0862;	0009, 0010, and 0862;	0009, 0010, and 0828;	0821; and Figures 39A-
1 11	and Figure 64B.	and Figure 64B.	and Figure 64B.	39D.
the vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic; and	0009, 0010, 0445,	0009, 0010, 0445,	0009, 0010, 0432,	0434, 0435, 0821, 836,
	0446, 0832, and 0862;	0446, 0832, and 0862;	0433, 0798, 0813,	and 837; and Figure 39C.
	and Figures 39C and 64B.	and Figures 39C and 64B.	0814, and 0828; and	390.
the two-dimensional screen	At least paragraphs	0	Figures 39C and 64B.	At least negaranhs
translation heuristic; and	0009, 0010, 0445,	At least paragraphs 0009, 0010, 0445,	At least paragraphs 0009, 0010, 0432,	At least paragraphs 0434, 0435, 0821, 836,
transfation neuristic, and	0446, 0832, and 0862;	0446, 0832, and 0862;	0433, 0798, 0813,	and 837; and Figure
	and Figures 39C and	and Figures 39C and	0814, and 0828; and	39C.
	64B.	64B.	Figures 16A, 35B, 39C,	390.
	OID.	UID.	and 64B.	
while displaying a photo	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
album application,	0009, 0010, and 0870-	0009, 0010, and 0870-	0009, 0010, and 0836-	0819; and Figures 12A
	0871; and Figures 12A,	0871; and Figures 12A,	0837; and Figures 12A,	and 16A.

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
	16A, and 64B.	16A, and 64B.	16A, and 64B.	ciains ochem
detecting one or more second finger contacts with	At least paragraphs 0009, 0010, and 0870;	At least paragraphs 0009, 0010, and 0870;	At least paragraphs 0009, 0010, and 0836;	At least paragraph 0819; and Figures 12A
the touch screen display;	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
applying a second set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics for the photo	0009, 0010, and 0871;	0009, 0010, and 0871;	0009, 0010, and 0837;	0820; and Figures 12A
album application to the	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
one or more second finger				
contacts to determine a				
second command for the				
device; and	1.1.1	1.1	1.1.1	A.1 . 1
processing the second	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
command;	0009, 0010, and 0872; and Figure 64B.	0009, 0010, and 0872; and Figure 64B.	0009, 0010, and 0838; and Figure 64B.	0820; and Figures 12A and 16A.
wherein the second set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprises:	0009, 0010, and 0871;	0009, 0010, and 0871;	0009, 0010, and 0837;	0821; and Figures 12A
	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
the next item heuristic,	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
wherein the respective item	0009, 0010, and 0871;	0009, 0010, and 0871;	0009, 0010, and 0837;	0821; and Figures 12A
in the set of items is a	and Figures 12A, 16A,	and Figures 12A, 16A,	and Figures 12A, 16A,	and 16A.
respective image in a set of	and 64B.	and 64B.	and 64B.	
images; and				
a heuristic for determining	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.	0009, 0010, and 0871; and Figures 12A, 16A, and 64B.	0009, 0010, and 0871; and Figures 12A, 16A, and 64B.	0009, 0010, and 0837; and Figures 12A, 16A, and 64B.	0822; and Figures 12A and 16A.
13. The computer- implemented method of claim 12, wherein the first set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.	At least paragraphs 0009, 0010, 0531, and 0862; and Figures 39G and 64B.	At least paragraphs 0009, 0010, 0531, and 0862; and Figures 39G and 64B.	At least paragraphs 0009, 0010,0531, 0815, and 0828; and Figures 39G and 64B.	At least paragraphs 0825, 837, and 838; and Figure 39G.
14. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more	At least paragraphs 0445 and 0847; and Figure 39C.	At least paragraphs 0445 and 0847; and Figure 39C.	At least paragraphs 0432 and 0813; and Figure 39C.	At least paragraphs 0434 and 0836; and Figure 39C.

heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
scrolling command. 15. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 0433 and 0814; and Figure 39C.	At least paragraphs 0435 and 0837; and Figure 39C.
16. The computer- implemented method of claim 11, wherein, in one	At least paragraphs 0009, 0010,0531, and 0862; and Figures 39G,	At least paragraphs 0009, 0010,0531, and 0862; and Figures 39G,	At least paragraphs 0009, 0010,0531, 0815, and 0828; and Figures	At least paragraphs 0825, 837, and 838; and Figure 39G.

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.	and 64B.	and 64B.	39G and 64B.	Classic Scriotific
17. A computer readable storage medium having stored therein instructions, which when executed by a device with a touch screen display, cause the device to:	At least paragraphs 0013, 0014, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0013, 0014, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0013, 0014, and 0094; and Figures 1A-1B and 64A-64B.	At least paragraph 0084; claim 172; and Figures 1A-1B.
detect one or more finger contacts with the touch screen display;	At least paragraphs 0013, 0014, 0830, and 0861; and Figures 64A-64B.	At least paragraphs 0013, 0014, 0830, and 0861; and Figures 64A-64B.	At least paragraphs 0013, 0014, 0796, and 0827; and Figures 64A-64B.	At least paragraph 0819; claim 172; and Figure 39C.

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
apply one or more	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics to the one or	0013, 0014, 0831, and	0013, 0014, 0831, and	0013, 0014, 0797, and	0820; claim 172; and
more finger contacts to	0862; and Figures	0862; and Figures 64A-	0828; and Figures 64A-	Figure 39C.
determine a command for	64A-64B.	64B.	64B.	
the device; and				
process the command;	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
	0013, 0014, and 0831;	0013, 0014, and 0831;	0013, 0014, and 0797;	0820; claim 172; and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	Figure 39C.
wherein the one or more	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprise:	0013, 0014, and 0832;	0013, 0014, and 0832;	0013, 0014, and 0798;	0821; claim 172; and
	and Figures 64A-64B.	and Figures 64A-64B.	and Figures 64A-64B.	Figure 39C.
a vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic for determining	0013, 0014, 0445,	0013, 0014, 0445,	0013, 0014, 0432,	0434, 0435, 0821, 836,
that the one or more finger	0446, and 0832; and	0446, and 0832; and	0433, 0798, 0813, and	and 837; claim 172;
contacts correspond to a	Figures 39C and 64A-	Figures 39C and 64A-	0814; and Figures 39C	and Figure 39C.
one-dimensional vertical	64B.	64B.	and 64A-64B.	
screen scrolling command				
rather than a two-				
dimensional screen				
translation command; a two-dimensional screen	A t loost managements	A t loogt managements	A t loogt managements	A 4 loo at mana anamba
translation heuristic for	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
	0013, 0014, 0445,	0013, 0014, 0445,	0013, 0014, 0432,	0434, 0435, 0821, 836,
determining that the one or more finger contacts	0446, and 0832; and Figures 39C, 64A, and	0446, and 0832; and	0433, 0798, 0813, and 0814; and Figures 39C,	and 837; claim 172;
more imger contacts	riguies 39C, 64A, and	Figures 39C, 64A, and	1 0014, and Figures 39C,	and Figure 39C.

Claim Limitation correspond to the two- dimensional screen	Support for claim limitation in the above captioned patent application 64B.	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit 64B.	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit 64A, and 64B.	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
translation command rather than the one-dimensional vertical screen scrolling command; and				
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	At least paragraphs 0013, 0014, and 0832; and Figures 16A, 24A, and 64A-64B.	At least paragraphs 0013, 0014, and 0832; and Figures 16A, 24A, and 64A-64B.	At least paragraphs 0013, 0014, and 0798; and Figures 16A, 24A, and 64A-64B.	At least paragraph 0821; claim 172; and Figures 16A and 24A.
18. The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display, cause the device to:	At least paragraphs 0013, 0014, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0013, 0014, and 0095; and Figures 1A-1B and 64A-64B.	At least paragraphs 0013, 0014, and 0094; and Figures 1A-1B and 64A-64B.	At least paragraph 0084; claim 172; and Figures 1A-1B.
while displaying a web	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
		application claims benefit	captioned application claims benefit	captioned application claims benefit
browser application,	0013, 0014, and 0860-	0013, 0014, and 0860-	0013, 0014, and 0826-	0819; and Figures 39A-
	0861; and Figure 64B.	0861; and Figure 64B.	0827; and Figure 64B.	39D.
detect one or more first	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
finger contacts with the	0013, 0014, and 0860-	0013, 0014, and 0860-	0013, 0014, and 0826-	0819; and Figures 39A-
touch screen display;	0861; and Figure 64B.	0861; and Figure 64B.	0827; and Figure 64B.	39D.
apply a first set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics for the web	0013, 0014, and 0862;	0013, 0014, and 0862;	0013, 0014, and 0828;	0820; and Figures 39A-
browser application to the	and Figure 64B.	and Figure 64B.	and Figure 64B.	39D.
one or more first finger				
contacts to determine a first				
command for the device; and				
process the first command;	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
	0013, 0014, and 0863;	0013, 0014, and 0863;	0013, 0014, and 0829;	0820; and Figures 39A-
	and Figure 64B.	and Figure 64B.	and Figure 64B.	39D.
wherein the first set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprises:	0013, 0014, and 0862;	0013, 0014, and 0862;	0013, 0014, and 0828;	0821; and Figures 39A-
	and Figure 64B.	and Figure 64B.	and Figure 64B.	39D.
the vertical screen scrolling	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
heuristic; and	0013, 0014, 0445,	0013, 0014, 0445,	0013, 0014, 0432,	0434, 0435, 0821, 836,
	0446, 0832, and 0862;	0446, 0832, and 0862;	0433, 0798, 0813,	and 837; claim 172;
	and Figures 39C and	and Figures 39C and	0814, and 828; and	and Figure 39C.
	64B.	64B.	Figures 39C and 64B.	

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. <u>60/937,991</u> , to	no. <u>60/937,993</u> , to
		the above captioned	which the above	which the above
	1	application claims	captioned application	captioned application
		benefit	claims benefit	claims benefit
the two-dimensional screen	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraphs
translation heuristic; and	0013, 0014, 0445,	0013, 0014, 0445,	0013, 0014, 0432,	0434, 0435, 0821, 836,
	0446, 0832, and 0862;	0446, 0832, and 0862;	0433, 0798, 0813,	and 837; claim 172;
	and Figures 39C and	and Figures 39C and	0814, and 828; and	and Figure 39C.
	64B.	64B.	Figures 39C and 64B.	
while displaying a photo	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
album application,	0013, 0014, and 0870-	0013, 0014, and 0870-	0013, 0014, and 0836-	0819; and Figures 12A
	0871; and Figures 12A,	0871; and Figures 12A,	0837; and Figures 12A,	and 16A.
	16A, and 64B.	16A, and 64B.	16A, and 64B.	
detect one or more second	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
finger contacts with the	0013, 0014, and 0870;	0013, 0014, and 0870;	0013, 0014, and 0836;	0819; and Figures 12A
touch screen display;	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
apply a second set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics for the photo	0013, 0014, and 0871;	0013, 0014, and 0871;	0013, 0014, and 0837;	0820; and Figures 12A
album application to the	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
one or more second finger				
contacts to determine a				
second command for the				
device; and				
process the second	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
command;	0013, 0014, and 0872;	0013, 0014, and 0872;	0013, 0014, and 0838;	0820; and Figures 12A
	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
wherein the second set of	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
heuristics comprises:	0013, 0014, and 0871;	0013, 0014, and 0871;	0013, 0014, and 0837;	0821; and Figures 12A

Claim Limitation	Support for claim	Support for claim	Support for claim	Support for claim
	limitation in the above	limitation in US	limitation in	limitation in
	captioned patent	application no.	provisional application	provisional application
	application	11/850,635, to which	no. 60/937,991, to	no. 60/937,993, to
	1	the above captioned	which the above	which the above
	1	application claims	captioned application	captioned application
		benefit	claims benefit	claims benefit
	and Figure 64B.	and Figure 64B.	and Figure 64B.	and 16A.
the next item heuristic,	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
wherein the respective item	0013, 0014, and 0871;	0013, 0014, and 0871;	0013, 0014, and 0837;	0821; and Figures 12A
in the set of items is a	and Figures 12A, 16A,	and Figures 12A, 16A,	and Figures 12A, 16A,	and 16A.
respective image in a set of	and 64B.	and 64B.	and 64B.	
images; and				
a heuristic for determining	At least paragraphs	At least paragraphs	At least paragraphs	At least paragraph
that the one or more second	0013, 0014, and 0871;	0013, 0014, and 0871;	0013, 0014, and 0837;	0822; and Figures 12A
finger contacts correspond	and Figures 12A, 16A,	and Figures 12A, 16A,	and Figures 12A, 16A,	and 16A.
to a command to transition	and 64B.	and 64B.	and 64B.	
from displaying the				
respective image in the set				
of images to displaying a				
previous image in the set of				
images.				
19. The computer readable	At least paragraphs	At least paragraphs	At least paragraphs 432	At least paragraphs
storage medium of claim	0445 and 0847; and	0445 and 0847; and	and 0813; and Figure	0434 and 0836; and
17, wherein, in one	Figure 39C.	Figure 39C.	39C.	Figure 39C.
heuristic of the one or more				
heuristics, a contact				
comprising a finger swipe				
gesture that initially moves				
within a predetermined				
angle of being perfectly				

Claim Limitation	Support for claim limitation in the above captioned patent application	Support for claim limitation in US application no. 11/850,635, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,991, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/937,993, to which the above captioned application claims benefit
vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command. 20. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 0446 and 0848; and Figure 39C.	At least paragraphs 433 and 0814; and Figure 39C.	At least paragraphs 0435 and 0837; and Figure 39C.

Showing of Support under 35 USC 112, First Paragraph (continued):

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879,253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
1. A computing device, comprising:	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figures 1-2.
a touch screen display;	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figures 1-2.
one or more processors;	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figure 1.
memory; and	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figure 1.
one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the one or more processors, the one or more programs including:	At least paragraph 0103; and Figures 1A-1B.	At least paragraph 0103; and Figures 1A-1B.	At least paragraph 0070; and Figure 1.
instructions for detecting one or more finger contacts with the touch screen display;	At least paragraph 0784; claim 171; and Figure 39C.	At least paragraph 0763; claim 171; and Figure 39C.	At least paragraphs 0063, 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
instructions for applying one or more heuristics to the one or more finger contacts to determine a	At least paragraph 0785; claim 171; and Figure 39C.	At least paragraph 0764; claim 171; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.

Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims benefit	provisional application no. 60/879;253, to which the above captioned application claims benefit	provisional application no. 60/824,769, to which the above captioned application claims benefit
command for the device; and			
instructions for processing the command;	At least paragraph 0785; claim 171; and Figure 39C.	At least paragraph 0764; claim 171; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
wherein the one or more heuristics comprise:	At least paragraph 0786; claim 171; and Figure 39C.	At least paragraph 0765; claim 171; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two- dimensional screen translation command;	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 171; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 171; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two- dimensional screen translation command rather	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 171; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 171; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879.253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
than the one-dimensional vertical screen scrolling command; and			
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	At least paragraph 0786; claim 171; and Figures 16A and 24A.	At least paragraph 0765; claim 171; and Figures 16A and 24A.	At least paragraphs 0138 and 0154; and Figures 12A and 16.
2. The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining that the one or more finger contacts correspond to a command to translate content within a frame rather than translating an entire page that includes the frame.	At least paragraphs 0797 and 0810; and Figures 42A-42C.	At least paragraphs 0776 and 0810; and Figures 42A-42C.	
3. The computing device of claim 1, wherein the one or more heuristics include a	At least paragraph 0800; and Figures 58A-58D.	At least paragraph 0779; and Figures 58A-58D.	

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
heuristic for determining which user interface object is selected when two user interface objects have overlapping hit regions.			
4. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.	At least paragraphs 0421 and 0801; and Figure 39C.	At least paragraphs 0421 and 0780; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
5. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the	At least paragraphs 0422 and 0802; and Figure 39C.	At least paragraphs 0422 and 0781; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.

Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no.	provisional application no.	provisional application no.
	60/879,469, to which the above	60/879,253, to which the	60/824,769, to which the above
	captioned application claims	above captioned application	captioned application claims
	benefit	claims benefit	benefit
two-dimensional screen			
translation command.		1.07.0	
6. The computing device of	At least paragraphs 0790, 802,	At least paragraphs 0769,	
claim 1, wherein, in one	and 803; and Figure 39G.	0781, and 0782; and Figure	
heuristic of the one or more		39G.	
heuristics, a contact			
comprising a finger swipe			
gesture that initially moves			
within a predetermined			
angle of being perfectly			
horizontal with respect to			
the touch screen display			
corresponds to a one-			
dimensional horizontal			
screen scrolling command			
rather than the two-			
dimensional screen			
translation command.			\
7. The computing device of	At least paragraph 0807; and	At least paragraph 0786; and	
claim 1, wherein, in one	Figures 57A-57C.	Figures 57A-57C.	
heuristic of the one or more			
heuristics, a contact			
comprising a simultaneous			
two-thumb twisting gesture			
corresponds to a 90° screen			
rotation command.			

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
8. The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, an N-finger translation gesture corresponds to a command to translate an entire page of content and an M-finger translation gesture corresponds to a command to translate content within a frame rather than translating the entire page of content that includes the frame.	At least paragraph 0810; and Figures 42A-42C.	At least paragraph 0789; and Figures 42A-42C.	
9. The computing device of claim 1, including:	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figures 1-2.
instructions for detecting one or more first finger contacts with the touch screen display while a web browser application is displayed on the touch screen display;	At least paragraph 0784; and Figures 39A-39D.	At least paragraph 0763; and Figures 39A-39D.	At least paragraph 0063, 0255, 0256, and 0258; and Figure 39C.
instructions for applying a first set of heuristics for the	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.

Claim Limitation	Support for claim fimitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims benefit	provisional application no. 60/879;253, to which the above captioned application claims benefit	provisional application no. 60/824,769, to which the above captioned application claims benefit
web browser application to the one or more first finger contacts to determine a first command for the device; and			
instructions for processing the first command;	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
wherein the first set of heuristics comprises:	At least paragraph 0786; and Figures 39A-39D.	At least paragraph 0765; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
the vertical screen scrolling heuristic; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 171; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 171; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
the two-dimensional screen translation heuristic; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 171; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 171; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
instructions for detecting one or more second finger contacts with the touch screen display while a photo album application is displayed on the touch screen display;	At least paragraph 0784; and Figures 12A and 16A.	At least paragraph 0763; and Figures 12A and 16A.	At least paragraphs 0063, 0137- 0139 and 0153-0155; and Figures 12A and 16.
instructions for applying a second set of heuristics for the photo album application	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879/253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
to the one or more second finger contacts to determine a second command for the device; and			
instructions for processing the second command;	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
wherein the second set of heuristics comprises:	At least paragraph 0786; and Figures 12A and 16A.	At least paragraph 0765; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and	At least paragraph 0786; and Figures 12A and 16A.	At least paragraph 0765; and Figures 12A and 16A.	At least paragraphs 0138 and 0154; and Figures 12A and 16.
a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.	At least paragraph 0787; and Figures 12A and 16A.	At least paragraph 0766; and Figures 12A and 16A.	At least paragraphs 0137 and 0153; and Figures 12A and 16.
10. The computing device of claim 9, wherein the first	At least paragraphs 0790, 802, and 803; and Figure 39G.	At least paragraph 0769, 0780, and 0781; and Figure 39G.	

Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims benefit	provisional application no. 60/879;253, to which the above captioned application claims benefit	provisional application no. 60/824,769, to which the above captioned application claims benefit
set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.			
11. A computer-implemented method, comprising:	At least paragraph 0078; claims 144 and 145; and Figures 39A-39D.	At least paragraph 0078; claims 144 and 145; and Figures 39A-39D.	At least paragraph 0049; and Figures 12A, 16, and 39C.
at a computing device with a touch screen display,	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0083; and Figures 1A-1B.	At least paragraph 0054; and Figures 1-2.
detecting one or more finger contacts with the touch screen display;	At least paragraph 0784; claims 144 and 145; and Figure 39C.	At least paragraph 0763; claims 144 and 145; and Figure 39C.	At least paragraphs 0063, 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
applying one or more heuristics to the one or more finger contacts to determine a command for the device; and	At least paragraph 0785; claims 144 and 145; and Figure 39C.	At least paragraph 0764; claims 144 and 145; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
processing the command;	At least paragraph 0785; claims 144 and 145; and Figure 39C.	At least paragraph 0764; claims 144 and 145; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
wherein the one or more heuristics comprise:	At least paragraph 0786; claims 144 and 145; and Figure 39C.	At least paragraph 0765; claims 144 and 145; and Figure 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two- dimensional screen translation command;	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claims 144 and 145; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claims 144 and 145; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two- dimensional screen translation command rather than the one-dimensional vertical screen scrolling command; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claims 144 and 145; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claims 144 and 145; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
a next item heuristic for determining that the one or	At least paragraph 0786; claims 144 and 145; and Figures 16A	At least paragraph 0765; claims 144 and 145; and	At least paragraphs 0138 and 0154; and Figures 12A and 16.

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.	and 24A.	Figures 16A and 24A.	
12. The computer-implemented method of claim 11, including:	At least paragraph 0078; claims 144 and 145; and Figures 39A-39D.	At least paragraph 0078; claims 144 and 145; and Figures 39A-39D.	At least paragraph 0049; and Figures 12A, 16, and 39C.
while displaying a web browser application, detecting one or more first	At least paragraph 0784; and Figures 39A-39D. At least paragraph 0784; and	At least paragraph 0763; and Figures 39A-39D. At least paragraph 0763; and	At least paragraphs 0255, 0256, and 0258; and Figure 39C. At least paragraph 0063, 0255,
finger contacts with the touch screen display;	Figures 39A-39D.	Figures 39A-39D.	0256, and 0258; and Figure 39C.
applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
processing the first command:	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
wherein the first set of	At least paragraph 0786; and	At least paragraph 0765; and	At least paragraphs 0255, 0256,

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Claim Limitation	Support for claim fimitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims	provisional application no. 60/879,253, to which the above captioned application	provisional application no. 60/824,769, to which the above captioned application claims
	benefit	claims benefit	benefit
heuristics comprises:	Figures 39A-39D.	Figures 39A-39D.	and 0258; and Figure 39C.
the vertical screen scrolling	At least paragraphs 0421, 0422,	At least paragraphs 0421,	At least paragraphs 0255, 0256,
heuristic; and	0786, 0801, and 0802; claims 144 and 145; and Figure 39C.	0422, 0765, 0780, and 0781; claims 144 and 145; and	and 0258; and Figure 39C.
	, ,	Figure 39C.	
the two-dimensional screen translation heuristic; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claims 144 and 145; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claims 144 and 145; and	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
-4.1- 41	A + 1 +	Figure 39C.	A
while displaying a photo album application,	At least paragraph 0784; and Figures 12A and 16A.	At least paragraph 0763; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
detecting one or more second finger contacts with the touch screen display;	At least paragraph 0784; and Figures 12A and 16A.	At least paragraph 0763; and Figures 12A and 16A.	At least paragraphs 0063, 0137- 0139 and 0153-0155; and Figures 12A and 16.
applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
processing the second command;	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.

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Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no.	provisional application no.	provisional application no.
	60/879,469, to which the above	60/879,253, to which the	60/824,769, to which the above
	captioned application claims	above captioned application	captioned application claims
	benefit	claims benefit	benefit
wherein the second set of	At least paragraph 0786; and	At least paragraph 0765; and	At least paragraphs 0137-0139
heuristics comprises:	Figures 12A and 16A.	Figures 12A and 16A.	and 0153-0155; and Figures 12A and 16.
the next item heuristic,	At least paragraph 0786; and	At least paragraph 0765; and	At least paragraphs 0138 and
wherein the respective item	Figures 12A and 16A.	Figures 12A and 16A.	0154; and Figures 12A and 16.
in the set of items is a			
respective image in a set of			
images; and			
a heuristic for determining	At least paragraph 0787; and	At least paragraph 0766; and	At least paragraphs 0137 and
that the one or more second	Figures 12A and 16A.	Figures 12A and 16A.	0153; and Figures 12A and 16.
finger contacts correspond			
to a command to transition			
from displaying the			
respective image in the set			
of images to displaying a			
previous image in the set of			
images.			
13. The computer-	At least paragraphs 0790, 802,	At least paragraphs 0769,	
implemented method of	and 803; and Figure 39G.	0781, and 0782; and Figure	
claim 12, wherein the first		39G.	
set of heuristics comprises			
a heuristic for determining			
that the one or more first			
finger contacts correspond			
to a one-dimensional			
horizontal screen scrolling			

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Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
command rather than the two-dimensional screen translation command.			
14. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one- dimensional vertical screen scrolling command.	At least paragraphs 0421 and 0801; and Figure 39C.	At least paragraphs 0421 and 0780; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
15. The computer- implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the	At least paragraphs 0422 and 0802; and Figure 39C.	At least paragraphs 0422 and 0781; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
two-dimensional screen translation command.			
16. The computer- implemented method of claim 11, wherein, in one heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one- dimensional horizontal screen scrolling command rather than the two- dimensional screen translation command.	At least paragraphs 0790, 802, and 803; and Figure 39G.	At least paragraphs 0769, 0781, and 0782; and Figure 39G.	
17. A computer readable storage medium having stored therein instructions, which when executed by a device with a touch screen display, cause the device to:	At least paragraph 0083; claim 172; and Figures 1A-1B.	At least paragraph 0083; claim 172; and Figures 1A-1B.	At least paragraph 0054; and Figure 1.
detect one or more finger	At least paragraph 0784; claim	At least paragraph 0763; claim	At least paragraphs 0063, 0137-

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Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims benefit	provisional application no. 60/879;253, to which the above captioned application claims benefit	provisional application no. 60/824,769, to which the above captioned application claims benefit
contacts with the touch screen display;	172; and Figures 39C.	172; and Figures 39C.	0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
apply one or more heuristics to the one or more finger contacts to determine a command for the device; and	At least paragraph 0785; claim 172; and Figures 39C.	At least paragraph 0764; claim 172; and Figures 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
process the command;	At least paragraph 0785; claim 172; and Figures 39C.	At least paragraph 0764; claim 172; and Figures 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
wherein the one or more heuristics comprise:	At least paragraph 0786; claim 172; and Figures 39C.	At least paragraph 0765; claim 172; and Figures 39C.	At least paragraphs 0137-0139, 0153-0155, 0255, 0256, and 0258; and Figures 12A, 16, and 39C.
a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two- dimensional screen translation command;	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 172; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 172; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
a two-dimensional screen	At least paragraphs 0421, 0422,	At least paragraphs 0421,	At least paragraphs 0255, 0256,

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Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above captioned application claims	provisional application no. 60/879;253, to which the above captioned application	provisional application no. 60/824,769, to which the above captioned application claims
	benefit	claims benefit	benefit
translation heuristic for determining that the one or more finger contacts correspond to the two- dimensional screen	0786, 0801, and 0802; claim 172; and Figure 39C.	0422, 0765, 0780, and 0781; claim 172; and Figure 39C.	and 0258; and Figure 39C.
translation command rather than the one-dimensional vertical screen scrolling			
command; and			
a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in	At least paragraph 0786; claim 172; and Figures 16A and 24A.	At least paragraph 0765; claim 172; and Figures 16A and 24A.	At least paragraphs 0138 and 0154; and Figures 12A and 16.
the set of items.			
18. The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display,	At least paragraph 0083; claim 172; and Figures 1A-1B.	At least paragraph 0083; claim 172; and Figures 1A-1B.	At least paragraph 0054; and Figure 1.
cause the device to:			

Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879.253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
while displaying a web browser application,	At least paragraph 0784; and Figures 39A-39D.	At least paragraph 0763; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
detect one or more first finger contacts with the touch screen display;	At least paragraph 0784; and Figures 39A-39D.	At least paragraph 0763; and Figures 39A-39D.	At least paragraph 0063, 0255, 0256, and 0258; and Figure 39C.
apply a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
process the first command;	At least paragraph 0785; and Figures 39A-39D.	At least paragraph 0764; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
wherein the first set of heuristics comprises:	At least paragraph 0786; and Figures 39A-39D.	At least paragraph 0765; and Figures 39A-39D.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
the vertical screen scrolling heuristic; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 172; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 172; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
the two-dimensional screen translation heuristic; and	At least paragraphs 0421, 0422, 0786, 0801, and 0802; claim 172; and Figure 39C.	At least paragraphs 0421, 0422, 0765, 0780, and 0781; claim 172; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
while displaying a photo album application,	At least paragraph 0784; and Figures 12A and 16A.	At least paragraph 0763; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.

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Claim Limitation	Support for claim limitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879;253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
detect one or more second finger contacts with the touch screen display;	At least paragraph 0784; and Figures 12A and 16A.	At least paragraph 0763; and Figures 12A and 16A.	At least paragraphs 0063, 0137- 0139 and 0153-0155; and Figures 12A and 16.
apply a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
process the second command;	At least paragraph 0785; and Figures 12A and 16A.	At least paragraph 0764; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
wherein the second set of heuristics comprises:	At least paragraph 0786; and Figures 12A and 16A.	At least paragraph 0765; and Figures 12A and 16A.	At least paragraphs 0137-0139 and 0153-0155; and Figures 12A and 16.
the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and	At least paragraph 0786; and Figures 12A and 16A.	At least paragraph 0765; and Figures 12A and 16A.	At least paragraphs 0138 and 0154; and Figures 12A and 16.
a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the	At least paragraph 0787; and Figures 12A and 16A.	At least paragraph 0766; and Figures 12A and 16A.	At least paragraphs 0137 and 0153; and Figures 12A and 16.

Claim Limitation	Support for claim fimitation in provisional application no. 60/879,469, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/879/253, to which the above captioned application claims benefit	Support for claim limitation in provisional application no. 60/824,769, to which the above captioned application claims benefit
respective image in the set of images to displaying a previous image in the set of images.			
19. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.	At least paragraphs 0421 and 0801; and Figure 39C.	At least paragraphs 0421 and 0780; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.
20. The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range	At least paragraphs 0422 and 0802; and Figure 39C.	At least paragraphs 0422 and 0781; and Figure 39C.	At least paragraphs 0255, 0256, and 0258; and Figure 39C.

Claim Limitation	Support for claim limitation in	Support for claim limitation in	Support for claim limitation in
	provisional application no. 60/879,469, to which the above		provisional application no. 60/824,769, to which the above
	captioned application claims benefit	above captioned application claims benefit	captioned application claims benefit
of angles corresponds to the			
two-dimensional screen			
translation command.			

Thus, as shown in the table above, claims 1-20 satisfy the requirements of 35 U.S.C. §112, first paragraph.

The claims do not invoke 35 USC 112, sixth paragraph. There are no means- (or step-) plus-function claim elements.

Identification of References Disqualified as Prior Art under 35 USC 103(c):

The following references are disqualified as prior art under 35 USC 103(c):

1. Lemay et al	US 20070157094
2. Ording et al	US 20070152984
3. Jobs et al	US 20070152979
4. Kocienda et al	US 20070152978
5. Hotelling	US 20060197753
6. Hotelling et al	US 20060026521
7. Jobs et al	US 20070155434
8. Chaudhri et al	US 20070150842
9. Elias et al	US 20070177803

In view of this accelerated examination support document, Applicants respectfully request that the Examiner grant the Petition for Accelerated Examination in the abovecaptioned patent application. Applicants respectfully submit that the claims of the abovecaptioned patent application are in condition for allowance, and respectfully request that the Examiner allow the claims of the above-captioned application to issue in a U.S. patent.

Respectfully submitted,

Date: April 11, 2008

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Robert B. Beyers

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Interview Summary	12/101,832	JOBS ET AL.		
interview Summary	Examiner	Art Unit		
	Duc Q. Dinh	2629		
All participants (applicant, applicant's representative, PTO	personnel):			
(1) <u>Duc Q. Dinh</u> .	(3) <u>Cyndi Wheeler</u> .			
(2) <u>Robert Beyers</u> .	(4)			
Date of Interview: <u>02 June 2008</u> .				
Type: a)☐ Telephonic b)☐ Video Conference c)☑ Personal [copy given to: 1)☐ applicant	2)⊠ applicant's representative	e]		
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description: <i>IPhone illustration</i> .	e)∐ No.			
Claim(s) discussed: <u>1-20</u> .				
Identification of prior art discussed: Chiu et al (US 200600	01652 A1) and Cheston et al. (<u>′20060164339 A</u>	<u>1)</u> .	
Agreement with respect to the claims f) was reached. •	g)∏ was not reached. h)∏ N	I/A.		
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Discussed support in the specification for claims 1-20, and newly found references for the application, proposed amended claims for independent claims, Chie, Cheston and an Australian Examiner's report will be submitted an IDS. The Examiner will confirm with the Supervisory Examiner that no supplemental AESD is required for Chiu and Cheston. (A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.) THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.				
	/Duc Q Dinh/ Primary Examiner, Art Unit 26	S29		
Examiner Note: You must sign this form unless it is an	Examiner's signature, if requi			

Application No.

Applicant(s)

Attachment to a signed Office action.

U.S. Patent and Trademark Office
PTOL-413 (Rev. 04-03)

Interview Summary

Paper No. 20080602

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Steven P. Jobs et al.

Confirmation No.:

9013

Serial No.:

12/101,832

Art Unit:

2629

Filed:

April 11, 2008

Examiner: Duc Q. Dinh

For:

Touch Screen Device, Method,

Attorney Docket No.:

and Graphical User Interface

for Determining Commands by

P4313USC1/63266-5138-US

Applying Heuristics

AMENDMENT

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

Sir:

The enclosed Amendment is in response to an in-person interview that was attended by Examiner Dinh, Robert Beyers, and Cyndi Wheeler on June 2, 2008 and to a phone call between Examiner Dinh and Cyndi Wheeler on June 4, 2008.

The Commissioner has been authorized through the electronic filing system to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0310 (order no. 63266-5138-US).

Amendments to the claims begin on page 2.

Remarks begin on page 9.

Amendments to the Claims

Listing of Claims

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

1. (Currently amended) A computing device, comprising:

a touch screen display;

one or more processors;

memory; and

one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the one or more processors, the one or more programs including:

instructions for detecting one or more finger contacts with the touch screen display;

instructions for applying one or more heuristics to the one or more finger contacts to determine a command for the device; and

instructions for processing the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command <u>based on an angle of initial</u> movement of a finger contact with respect to the touch screen display;

a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command <u>based on the angle of initial movement of the finger contact with respect to the touch screen display;</u> and

a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

- 2. (Original) The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining that the one or more finger contacts correspond to a command to translate content within a frame rather than translating an entire page that includes the frame.
- 3. (Original) The computing device of claim 1, wherein the one or more heuristics include a heuristic for determining which user interface object is selected when two user interface objects have overlapping hit regions.
- 4. (Original) The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.
- 5. (Original) The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.
- 6. (Original) The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.
- 7. (Original) The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, a contact comprising a simultaneous two-thumb twisting gesture corresponds to a 90° screen rotation command.
- 8. (Original) The computing device of claim 1, wherein, in one heuristic of the one or more heuristics, an N-finger translation gesture corresponds to a command to translate an entire page of content and an M-finger translation gesture corresponds to a command to translate content within a frame rather than translating the entire page of content that includes the frame.

9. (Original) The computing device of claim 1, including:

instructions for detecting one or more first finger contacts with the touch screen display while a web browser application is displayed on the touch screen display; instructions for applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and

instructions for processing the first command; wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and

the two-dimensional screen translation heuristic; and

instructions for detecting one or more second finger contacts with the touch screen display while a photo album application is displayed on the touch screen display;

instructions for applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and

instructions for processing the second command; wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

- 10. (Currently amended) The computing device of claim 9, wherein the first set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command <u>based on the angle of initial movement of the finger contact</u> with respect to the touch screen display.
- 11. (Currently amended) A computer-implemented method, comprising: at a computing device with a touch screen display,

detecting one or more finger contacts with the touch screen display;
applying one or more heuristics to the one or more finger contacts to
determine a command for the device; and

processing the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command <u>based on an angle of initial</u> movement of a finger contact with respect to the touch screen display;

a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command <u>based on the angle of initial movement of the finger contact with respect to the touch screen display</u>; and

a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

12. (Original) The computer-implemented method of claim 11, including: while displaying a web browser application,

detecting one or more first finger contacts with the touch screen display; applying a first set of heuristics for the web browser application to the one or more first finger contacts to determine a first command for the device; and processing the first command;

wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and
the two-dimensional screen translation heuristic; and
while displaying a photo album application,

detecting one or more second finger contacts with the touch screen display;

applying a second set of heuristics for the photo album application to the one or more second finger contacts to determine a second command for the device; and

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processing the second command; wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

- 13. (Currently amended) The computer-implemented method of claim 12, wherein the first set of heuristics comprises a heuristic for determining that the one or more first finger contacts correspond to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command <u>based on the angle of initial</u> movement of the finger contact with respect to the touch screen display.
- 14. (Original) The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.
- 15. (Original) The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.
- 16. (Original) The computer-implemented method of claim 11, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly horizontal with respect to the touch screen display corresponds to a one-dimensional horizontal screen scrolling command rather than the two-dimensional screen translation command.

17. (Currently amended) A computer readable storage medium having stored therein instructions, which when executed by a device with a touch screen display, cause the device to:

detect one or more finger contacts with the touch screen display;
apply one or more heuristics to the one or more finger contacts to
determine a command for the device; and

process the command;

wherein the one or more heuristics comprise:

a vertical screen scrolling heuristic for determining that the one or more finger contacts correspond to a one-dimensional vertical screen scrolling command rather than a two-dimensional screen translation command <u>based on an angle of initial</u> movement of a finger contact with respect to the touch screen display;

a two-dimensional screen translation heuristic for determining that the one or more finger contacts correspond to the two-dimensional screen translation command rather than the one-dimensional vertical screen scrolling command <u>based on the angle of initial movement of the finger contact with respect to the touch screen display;</u> and

a next item heuristic for determining that the one or more finger contacts correspond to a command to transition from displaying a respective item in a set of items to displaying a next item in the set of items.

18. (Original) The computer readable storage medium of claim 17, wherein the computer readable medium has stored therein instructions, which when executed by a device with a touch screen display, cause the device to:

while displaying a web browser application,

detect one or more first finger contacts with the touch screen display;
apply a first set of heuristics for the web browser application to the one or
more first finger contacts to determine a first command for the device; and

process the first command;

wherein the first set of heuristics comprises:

the vertical screen scrolling heuristic; and the two-dimensional screen translation heuristic; and while displaying a photo album application,

detect one or more second finger contacts with the touch screen display;
apply a second set of heuristics for the photo album application to the one
or more second finger contacts to determine a second command for the device; and
process the second command;

wherein the second set of heuristics comprises:

the next item heuristic, wherein the respective item in the set of items is a respective image in a set of images; and

a heuristic for determining that the one or more second finger contacts correspond to a command to transition from displaying the respective image in the set of images to displaying a previous image in the set of images.

- 19. (Original) The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a finger swipe gesture that initially moves within a predetermined angle of being perfectly vertical with respect to the touch screen display corresponds to the one-dimensional vertical screen scrolling command.
- 20. (Original) The computer readable storage medium of claim 17, wherein, in one heuristic of the one or more heuristics, a contact comprising a moving finger gesture that initially moves within a predefined range of angles corresponds to the two-dimensional screen translation command.

Remarks

This amendment responds to the in-person interview that was attended by Examiner Dinh, Robert Beyers, and Cyndi Wheeler on June 2, 2008 and to a phone call between Examiner Dinh and Cyndi Wheeler on June 4, 2008.

The June 2, 2008 interview discussed:

- support in the specification for claims 1-20;
- newly found references (Chiu et al. US2006/0001652, and Cheston et al. US 2006/0164399) and an Australian Examiner's report;
- proposed claim amendments; and
- submission of an information disclosure statement (IDS) with Chiu,
 Cheston, and the Australian Examiner's report.

In the June 4, 2008 phone call, Examiner Dinh told Cyndi Wheeler that we would need to file:

- a supplemental accelerated examination support document (AESD); and
- a terminal disclaimer for commonly owned co-pending U.S. Patent Application No. 11/850,635.

In response to the June 2, 2008 in-person interview and the June 4, 2008 phone call, the following materials are being submitted:

- this Amendment, which includes a listing of the claims as amended;
- a supplemental AESD;
- an IDS with Chiu, Cheston, and the Australian Examiner's report; and
- a terminal disclaimer for commonly owned co-pending U.S. Patent Application No. 11/850,635.

If the Examiner believes a discussion of the above would be useful, he is invited to call the Applicants' attorney, Dr. Robert Beyers, at (650) 843-7528.

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Respectfully submitted,

Date: June 12, 2008

Robert Beyer

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