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[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR PROACTIVELY IDENTIFYING AND SURFACING RELEVANT CONTENT ON A TOUCH-SENSITIVE DEVICE

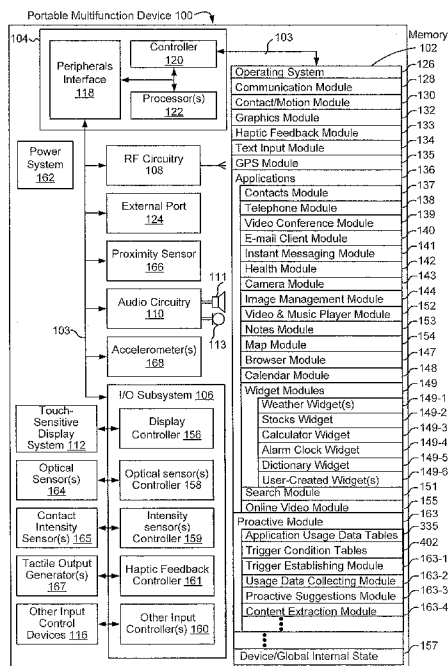


FIG. 1A

(57) Abstract: Systems and methods for proactively identifying and surfacing relevant content on an electronic device with a touch-sensitive display are disclosed herein. In one aspect, the method includes executing, on the electronic device, an application in response to an instruction from a user of the electronic device. While executing the application, the method further includes collecting usage data. The usage data at least includes one or more actions performed by the user within the application. The method also includes: automatically, without human intervention, obtaining at least one trigger condition based on the collected usage data and associating the at least one trigger condition with a particular action of the one or more actions performed by the user within the application. Upon determining that the at least one trigger condition has been satisfied, the method includes providing an indication to the user that the particular action associated with the trigger condition is available.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	US 2014/282178 A1 (BORZELLO ERIC M [US] ET AL) 18 September 2014 (2014-09-18) abstract paragraphs [0004], [0047]	1-26, 47-68
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 20 December 2016	Date of mailing of the international search report 04/01/2017
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Uhlmann, Nikolay

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INTERNATIONAL SEARCH REPORT

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

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International application No

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26, 47-68

Collecting usage data including actions performed by a user in an application on a touch-sensitive display, obtaining a trigger condition based on the collected data and associating it with one of the actions, providing indication comprising the associated action to the user when the trigger condition is satisfied.

2. claims: 27-46

Detecting a search activation gesture, displaying a search interface with a prediction portion populated with an affordance for executing a predicted action automatically selected based on application usage history.

3. claims: 69-145

Receiving voice communication including speech provided by a remote user, extracting content, if the content is not available on a device, offer the user the possibility to store the content in an application associated with the type of the content.

4. claims: 146-188

Receiving voice communication including speech provided by a remote user, determining that the voice communication includes speech that identifies a physical location, open an application that accepts geographic location data; and populate the application with information about the physical location.

5. claims: 189-234

Present, in a messaging application on a display, a text-input field and a conversation transcript, determining that the next likely input from a user of a electronic device is information about a physical location, analyzing content associated with the text-input field and the conversation transcript to determine a suggested physical location and presenting in the text-input field a representation of the suggested physical location.

6. claims: 235-320

Obtain information identifying a first physical location

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

viewed by a user in the first application, exit the first application, receive a request from the user to open a second application, present the second application, wherein presenting the second application includes populating the second application with information that is based at least in part on the information identifying the first physical location.

7. claims: 321-348

Obtain information identifying a first physical location viewed by a user in a first application, determine that the user has entered a vehicle, provide a prompt to the user to use the first physical location as a destination for route guidance and facilitate route guidance to the first physical location.

8. claims: 349-382

Present content in a first application, receive a request from the user to open a second application, the second application including an input-receiving field, before receiving any user input at the input-receiving field, provide a selectable user interface object to allow the user to paste at least a portion of the content into the input-receiving field.

9. claims: 383-415

Present, on a display, textual content that is associated with an application, determine that a portion of the textual content relates to: (i) a location, (ii) a contact, or (iii) an event, upon determining that the portion of the textual content relates to a location, obtain location information from a location sensor on the electronic device and prepare the obtained location information for display as a predicted content item; upon determining that the portion of the textual content relates to a contact, conduct a search on the electronic device for contact information related to the portion of the textual content and prepare information associated with at least one contact, retrieved via the search, for display as the predicted content item, upon determining that the portion of the textual content relates to an event, conduct a new search on the electronic device for event information related to the portion of the textual content and prepare information that is based at least in part on at least one event, retrieved via the new search, for display as the predicted content item, display, within the application, an affordance that includes the predicted content item, display information associated with the predicted content item on the display adjacent to the textual content.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

10. claims: 416-477

Display content associated with an application that is executing on an electronic device; detect, via the touch-sensitive surface, a swipe gesture that, when detected, causes the electronic device to enter a search mode, enter the search mode, in conjunction with entering the search mode, determine at least one suggested search query based at least in part on information associated with the content; and before receiving any user input at the search interface, populate the displayed search interface with the at least one suggested search query.

11. claims: 478-529

Automatically, and without instructions from a user: determine that a user of the electronic device is in a vehicle that has come to rest at a geographic location, upon determining that the user has left the vehicle, determine whether positioning information, retrieved from the location sensor to identify the geographic location, satisfies accuracy criteria, upon determining that the positioning information does not satisfy the accuracy criteria, provide a prompt to the user to input information about the geographic location, and in response to providing the prompt, receive information from the user about the geographic location and store the information as vehicle location information.

12. claims: 530-563

Monitor, using the location sensor, a geographic position of the electronic device, determine, based on the monitored geographic position, that the electronic device is within a threshold distance of a point of interest of a predetermined type, identify at least one activity that is currently popular at the point of interest, retrieve information about the point of interest, including retrieving information about at least one activity that is currently popular at the point of interest, in response to detecting a first input, enter search mode, wherein entering the search mode includes, before receiving any user input at the search interface, presenting, via the display, an affordance that includes (i) the information about the at least one activity and (ii) an indication that the at least one activity has been identified as currently popular at the point of interest.
