(12) **United States Patent**

De Andrade Cajahyba et al.

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(54) **SYSTEM FOR ORGANIZING AND GUIDING A USER IN THE EXPERIENCE OF BROWSING DIFFERENT APPLICATIONS BASED ON CONTEXTS**

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G06F 15/78	(2006.01)

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CPC *G06F 9/44505* (2013.01); *G06F 8/43* (2013.01); *G06F 9/4443* (2013.01); *G06F 17/30528* (2013.01); *H04L 29/08072* (2013.01); *G06F 15/7875* (2013.01)

(58) **Field of Classification Search**
CPC G06N 5/04
USPC 370/310, 352; 709/224–225, 217
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,792,795 B1	9/2010	Swartz	
7,813,822 B1 *	10/2010	Hoffberg	700/94
8,554,631 B1 *	10/2013	Barton	G06Q 20/20
			705/16
2004/0172460 A1	9/2004	Marel	

(Continued)

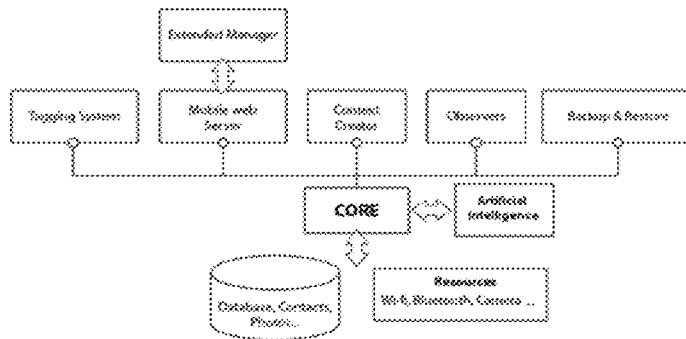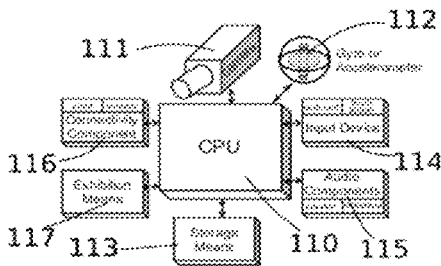FOREIGN PATENT DOCUMENTS

WO   WO 2011150388 A1 * 12/2011

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(57) **ABSTRACT**

The present invention provides a system that enhances the experience of using a portable device such as mobile phones, smart phones, Personal Digital Assistants PDA etc. To improve the user experience in the use of a portable device, techniques are used for "context characterization, i.e., from a range of conditions possible to detect by the system, such as time (date/time), current location, motion, etc., as well as the historical use of the device, a certain grouping of actions and settings, called "context" are selected automatically or manually, modifying and setting from that moment the way of user interacts with the device.

23 Claims, 7 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

2005/0015608 A1*	1/2005	Peterson	713/193
2005/0049001 A1*	3/2005	Lazaridis	455/552.1
2008/0005679 A1	1/2008	Rimas-Ribikauskas	
2008/0081605 A1*	4/2008	Cole	455/424
2008/0092043 A1*	4/2008	Trethewey	G06F 1/1626
			715/705
2008/0201350 A1	8/2008	Thattil	
2008/0249969 A1*	10/2008	Tsui	H02J 7/0055
			706/46
2009/0002178 A1*	1/2009	Guday	A61B 5/0002
			340/573.1
2009/0150545 A1*	6/2009	Flores et al.	709/224
2009/0203352 A1*	8/2009	Fordon et al.	455/406
2010/0011388 A1*	1/2010	Bull et al.	725/9
2010/0325238 A1*	12/2010	Khedouri et al.	709/217
2011/0113084 A1*	5/2011	Ramnani	G06Q 30/02
			709/201
2011/0276396 A1*	11/2011	Rathod	705/14.49
2012/0010867 A1*	1/2012	Eder	G06F 19/3437
			703/13
2012/0303561 A1*	11/2012	Sathish	G06F 17/30873
			706/14
2015/0200958 A1*	7/2015	Muppidi	H04L 41/28
			726/23

* cited by examiner

FIGURE 1

FIGURE 2

START
310

Register access to the resources and components
(wi-fi, bluetooth, gps, battery and preferences)
311

Initiate data base
312

Initiate observers of executed actions
and occurred events
313

Initiate system for linking meta-data (tags)
314

Initiate simply and unified programming
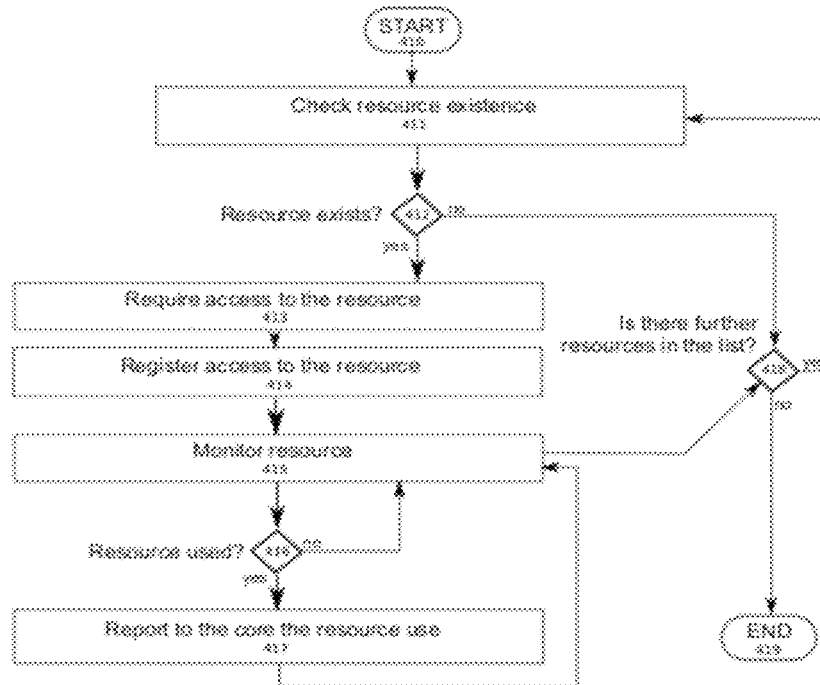interface service
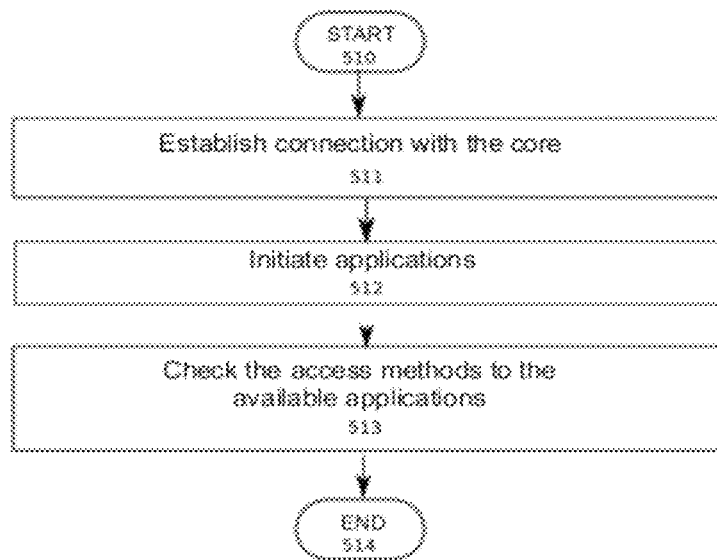315

END
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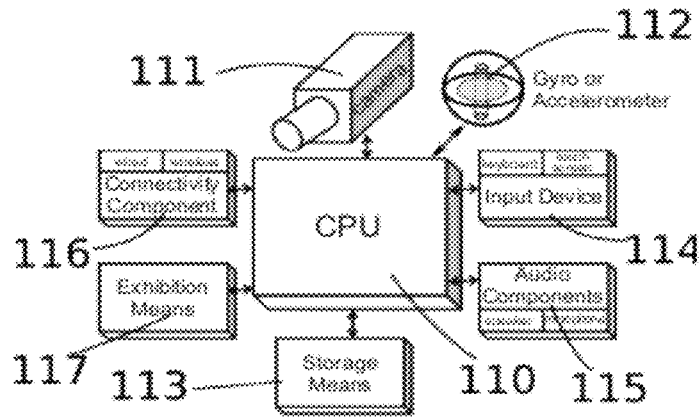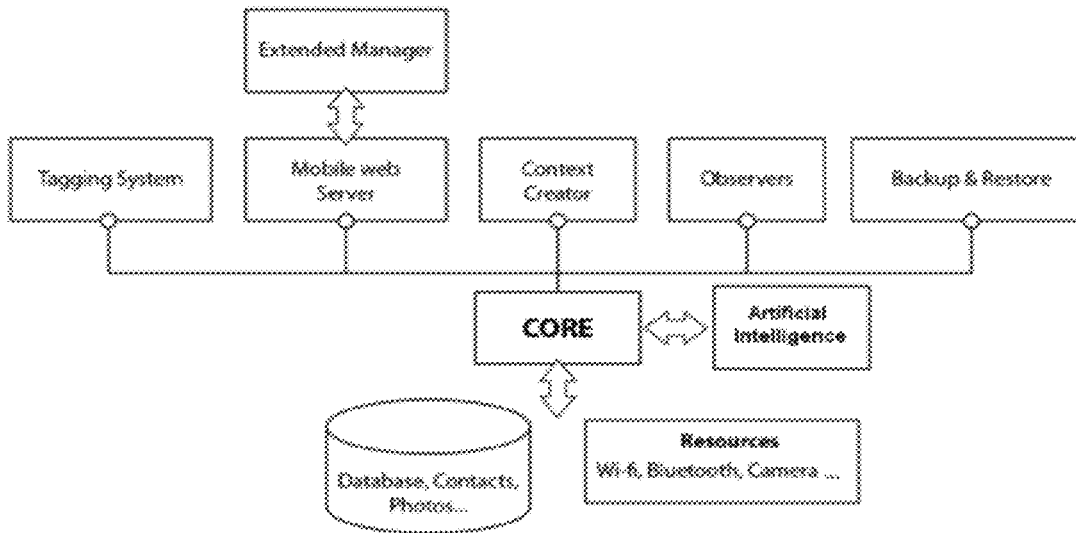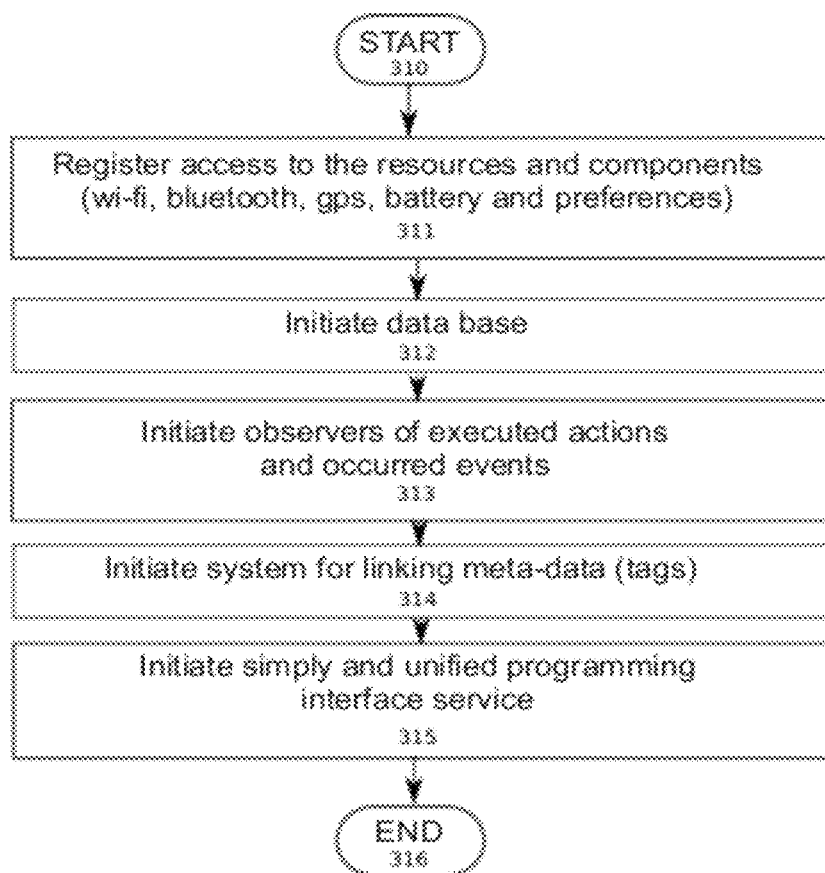
FIGURE 3

FIGURE 4

FIGURE 5

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