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Wever et al.

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(54) **METHOD AND APPARATUS FOR PROVIDING QUICK ACCESS TO MEDIA FUNCTIONS FROM A LOCKED SCREEN**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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6,501,380	B1	12/2002	Jakobsson	
7,421,656	B2 *	9/2008	Fong et al.	715/716
7,461,264	B2 *	12/2008	Chen	713/182
8,199,125	B2 *	6/2012	Misawa et al.	345/173
2003/0112266	A1 *	6/2003	Chang et al.	345/727
2004/0001105	A1	1/2004	Chew et al.	
2004/0225502	A1 *	11/2004	Bear et al.	704/270
2007/0100978	A1 *	5/2007	Levi et al.	709/223

(Continued)

FOREIGN PATENT DOCUMENTS

EP	1 109 382	A2	6/2001
EP	2 144 148	A2	1/2010

(Continued)

OTHER PUBLICATIONS

International Search Report and Written Opinion for Application No. PCT/IB2012/050982 dated Jul. 2, 2012.

(Continued)

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G06F 3/0488	(2013.01)
H04M 1/725	(2006.01)
H04M 1/67	(2006.01)

(52) **U.S. Cl.**

CPC **G06F 3/048** (2013.01); **G06F 3/0488** (2013.01); **H04M 1/72544** (2013.01); **H04M 1/67** (2013.01)

(58) **Field of Classification Search**

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USPC 715/835, 863, 823
See application file for complete search history.

Primary Examiner — Kieu Vu

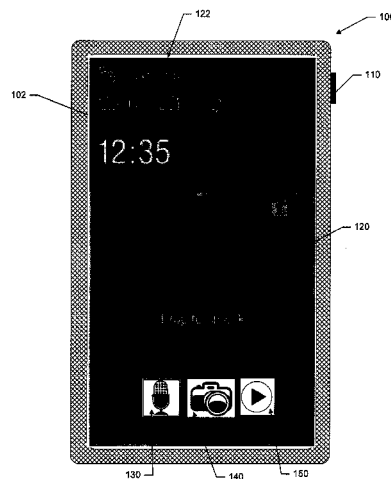
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(57) **ABSTRACT**

A method for providing quick access to functions from a locked screen may include receiving an indication of entry of an activation input at a user terminal while the user terminal is displaying a locked screen, causing a launch of an application associated with performance of a function associated with the application from the locked screen and without completion of an unlock procedure in response to the activation input, enabling the function to be performed while the activation input is provided, and causing the user terminal to revert to the locked screen in response to removal of the activation input. A corresponding apparatus and computer program product are also provided.

18 Claims, 8 Drawing Sheets



Apple Ex. 1020

(56)

References Cited

U.S. PATENT DOCUMENTS

2007/0143851	A1*	6/2007	Nicodemus et al.	726/25
2007/0239837	A1	10/2007	Jablokov et al.	
2009/0006991	A1	1/2009	Lindberg et al.	
2009/0172542	A1*	7/2009	Girish et al.	715/716
2010/0079794	A1*	4/2010	Kim	358/1.15
2010/0146235	A1	6/2010	Weber et al.	
2010/0159995	A1	6/2010	Stallings et al.	
2010/0257490	A1*	10/2010	Lyon et al.	715/863
2010/0269040	A1*	10/2010	Lee	715/702
2011/0047368	A1	2/2011	Sundaramurthy et al.	
2011/0163972	A1*	7/2011	Anzures et al.	345/173
2011/0258547	A1*	10/2011	Symons et al.	715/723
2012/0009896	A1*	1/2012	Bandyopadhyay et al. ..	455/411
2012/0069231	A1*	3/2012	Chao	348/333.01
2012/0150698	A1*	6/2012	McClements, IV	705/27.2

FOREIGN PATENT DOCUMENTS

EP	2 161 645	A2	3/2010
WO	WO 2009/072852	A2	6/2009

OTHER PUBLICATIONS

Supplementary European Search Report for Application No. EP 12 75 5136 dated Jul. 22, 2014.
 International Preliminary report on Patentability for Application No. PCT/IB2012/050982 dated Sep. 10, 2013.
 Supplementary Search Report for European Application No. 12 75 5136 dated Jul. 22, 2014.
 Snappy—the Fastest Camera App for Jailbroken iPhone | Redmond Pie [online] [retrieved Jan. 28, 2015]. Retrieved from the internet: <URL: <http://www.redmondpie.com/snappy-the-fastest-camera-app-for-jailbroken-iphone-9140131>>. (dated Nov. 22, 2009) 5 pages.

* cited by examiner

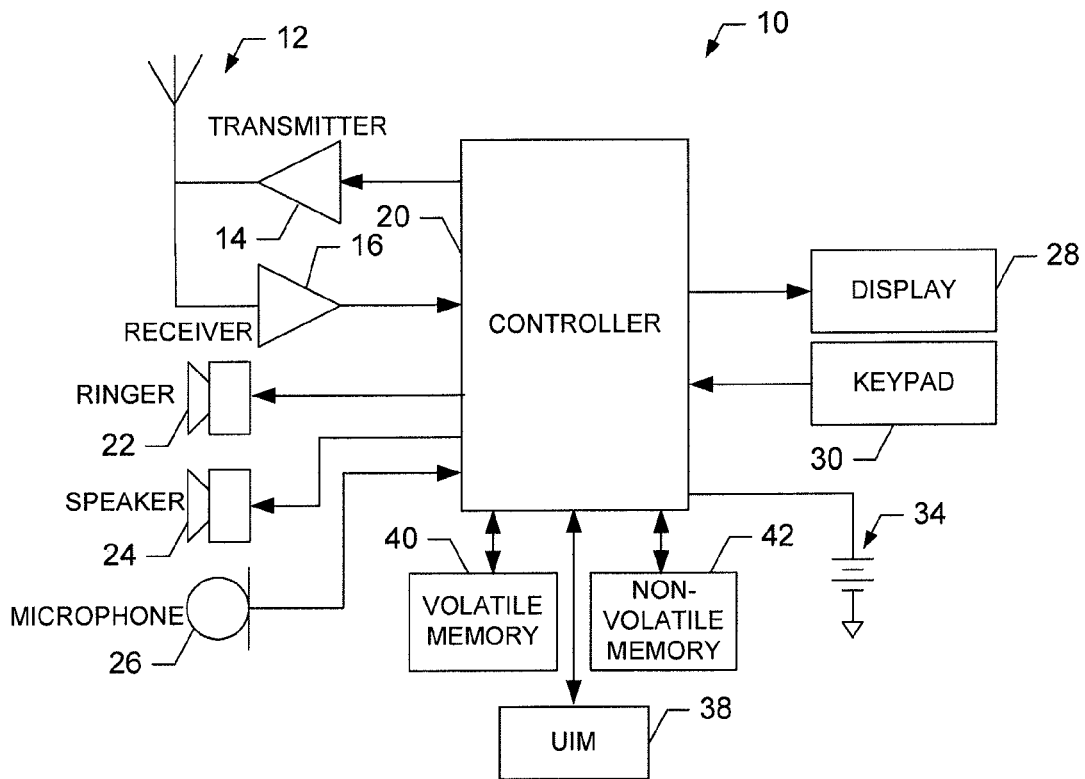


FIG. 1.

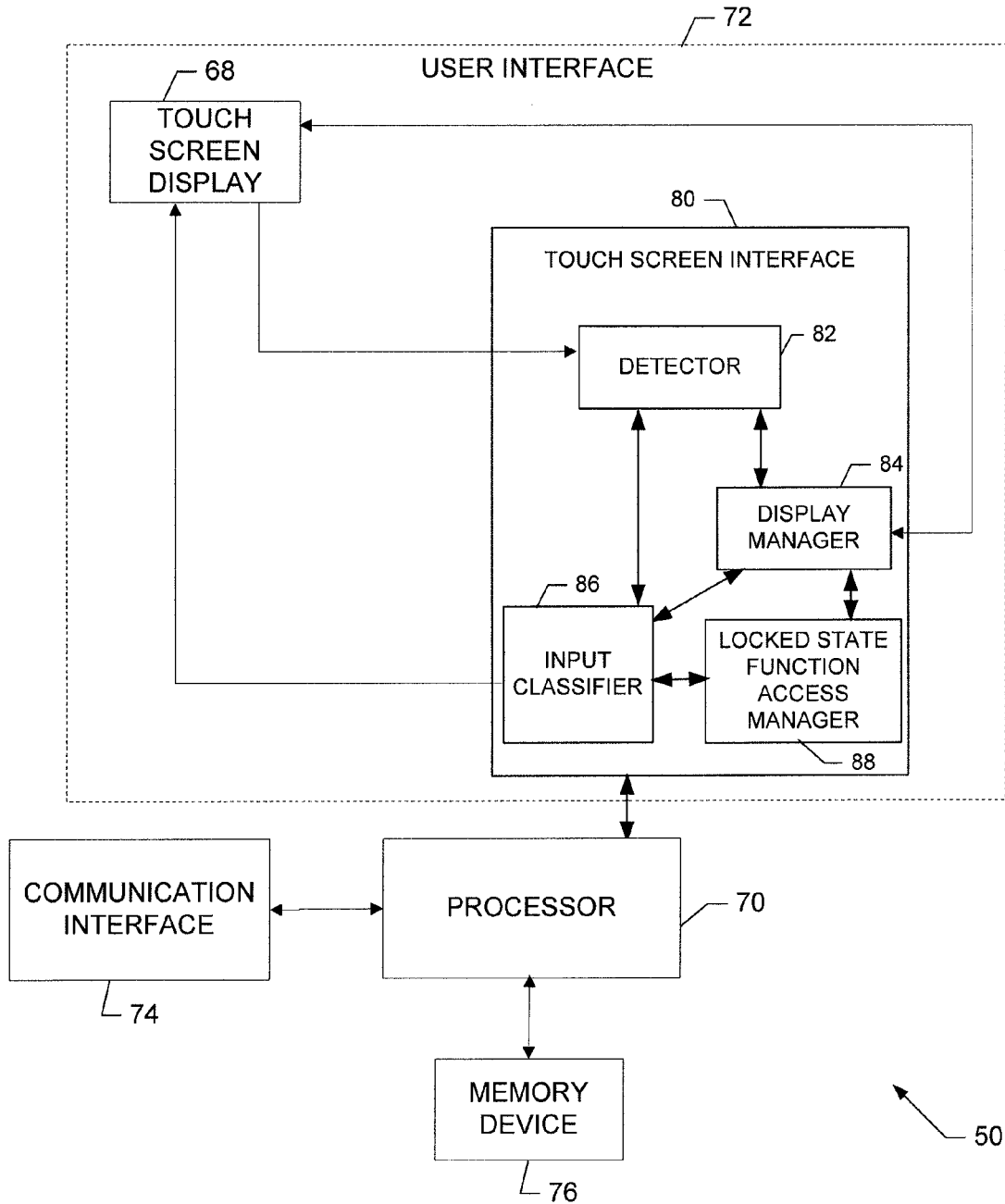


FIG. 2.

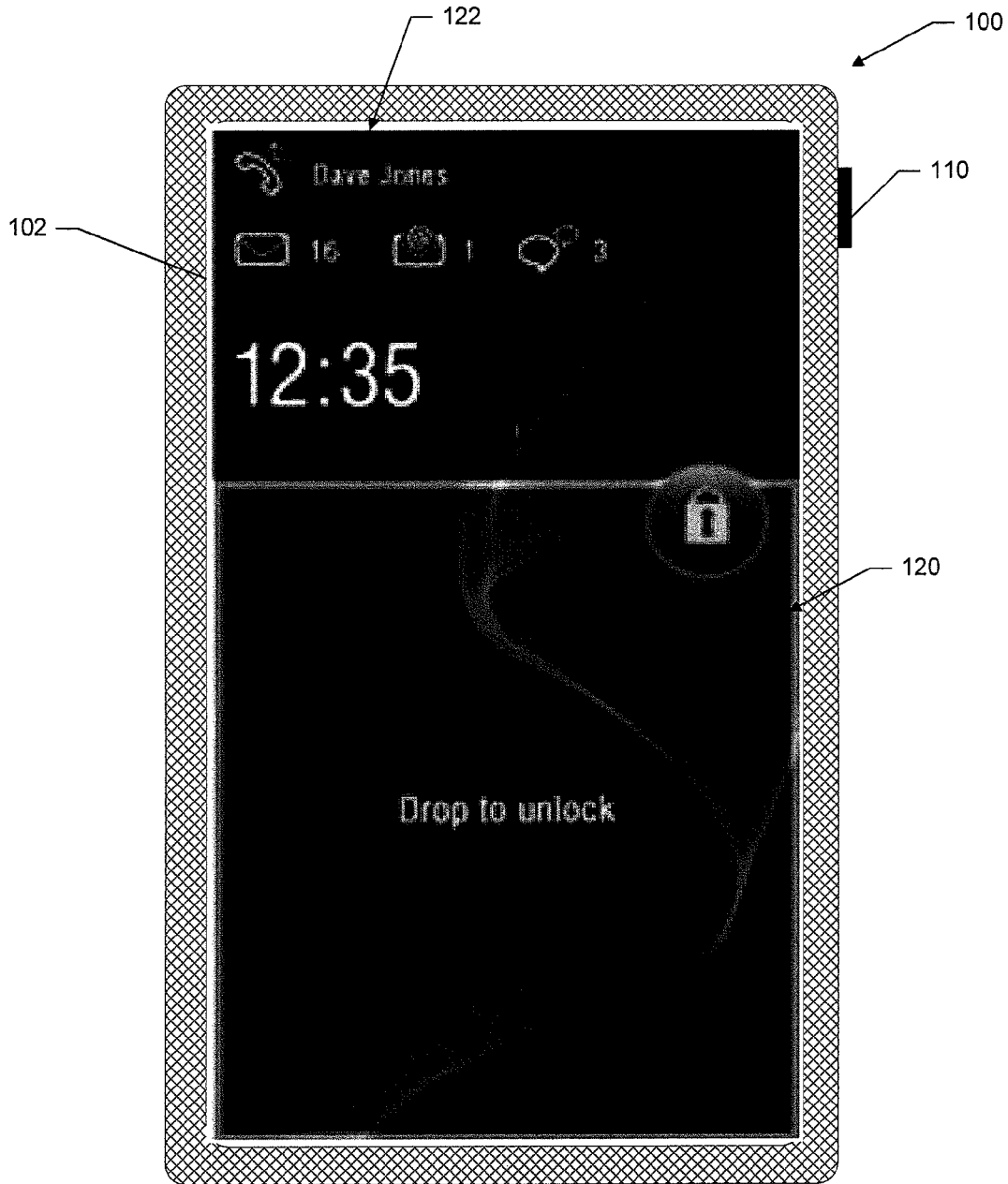


FIG. 3A.

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