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(54) Title: WIRELESS COMMUNICATION DEVICE HAVING DETERMINISTIC CONTROL OF FOREGROUND ACCESS OF THE USER INTERFACE

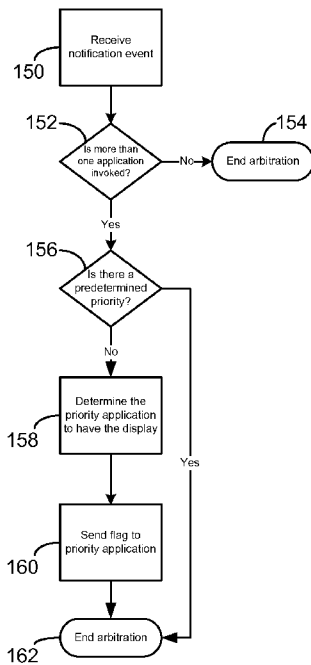


Fig. 5

(57) Abstract: A wireless communication device that has one or more applications resident on a computer platform, a wireless communication interface, a display, and a user interface that, at least, appears on the display and through which a user of the wireless communication device interacts with the computer platform. The display is configured to be selectively controlled by the specific user interfaces of one or more applications resident on the computer platform, and the one or more applications and/or an arbiter that is resident on the computer platform will determine which user interface of the one or more applications resident on the computer platform controls the display based upon a predetermined criteria when the user interfaces compete for control of the display.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7 106 298 B1 (TURNER BRYAN C [US] ET AL) 12 September 2006 (2006-09-12) abstract columns 1-9	1-29
A	WO 2007/030682 A (MICROSOFT CORP [US]) 15 March 2007 (2007-03-15) abstract pages 1-5	1-29
A	WO 00/75870 A (PANJA INC [US]; PARTRIDGE CHARLES W [US]; BARBER RONALD W [US]; LEE MA) 14 December 2000 (2000-12-14) abstract pages 1-3	1-29

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See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7106298	B1	12-09-2006	NONE
<hr/>			
WO 2007030682	A	15-03-2007	CN 101258461 A 03-09-2008
			EP 1922607 A2 21-05-2008
			JP 2009508230 T 26-02-2009
			KR 20080042877 A 15-05-2008
			US 2007061755 A1 15-03-2007
<hr/>			
WO 0075870	A	14-12-2000	AT 300068 T 15-08-2005
			AU 770034 B2 12-02-2004
			AU 5454700 A 28-12-2000
			CA 2379049 A1 14-12-2000
			DE 60021385 D1 25-08-2005
			DE 60021385 T2 27-04-2006
			EP 1192598 A1 03-04-2002
			ES 2243272 T3 01-12-2005
			US 2002054160 A1 09-05-2002
			US 2004075694 A1 22-04-2004
<hr/>			