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(54) Title: CROSS-ENVIRONMENT REDIRECTION

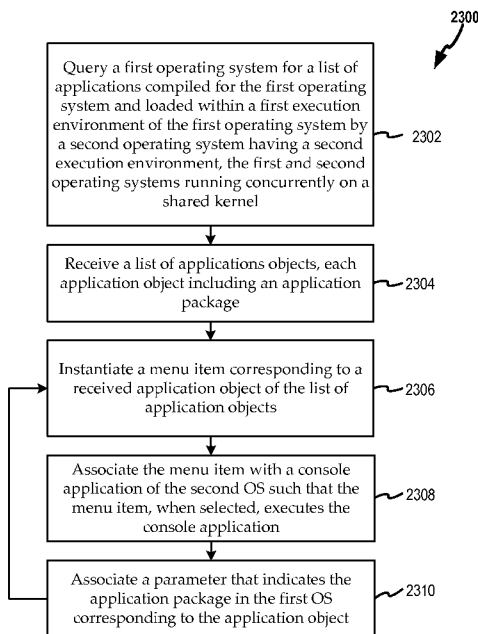


FIG. 23

(57) Abstract: A mobile computing device with a mobile operating system and desktop operating system running concurrently and independently on a shared kernel without virtualization. The mobile operating system provides a user experience for the mobile computing device that suits the mobile environment. The desktop operating system provides a full desktop user experience when the mobile computing device is docked to a second user environment. Cross-environment rendering and user interaction support provide a seamless computing experience in a multi-operating system computing environment. Cross environment rendering may be done using the rendering engine of the mobile operating system into a non-extended or an extended rendering context. To facilitate a transparent cross-environment use model, access is provided to applications and/or mirrored contexts of the mobile operating system from the user environment associated with the desktop operating system. Access to applications and/or mirrored contexts of the mobile operating system is provided by menu icons or menu list items within menus of the user environment of the desktop operating system. The mobile computing device may be a smartphone running the Android mobile operating system and a full desktop Linux distribution on a modified Android kernel.

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PCT/US2011/053909**A. CLASSIFICATION OF SUBJECT MATTER****G06F 9/22(2006.01)i, G06F 9/44(2006.01)i**

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 9/22; G06F 3/14

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: multiple operating system share application.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 05673403A A (BROWN, M.W. et al.) 30 September 1997 See abstract, column 4 line 55 - column 8 line 9, figures 3-5C, and claims 1, 12.	1-19
A	US 2010-0251233 A1 (MAJEWSKI, J.S. et al.) 30 September 2010 See claims 9-10 and figures 2-4.	1-19
A	US 7069519 B1 (OKIDE, M. et al.) 27 June 2006 See abstract, column 8 line 15- line 55, and figures 8A-8E.	1-19
A	US 2005-0246505 A1 (MCKENNEY, P.E. et al.) 03 November 2005 See abstract and figure 1.	1-19
A	US 7284203 B1 (MEEKS, W.S. et al.) 16 October 2007 See abstract and claims 1,9.	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

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"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

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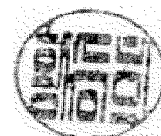
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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 2005-0246505 A1	03.11.2005	None	
US 7284203 B1	16.10.2007	None	