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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: SECURE APPLICATION DISTRIBUTION SYSTEMS AND METHODS

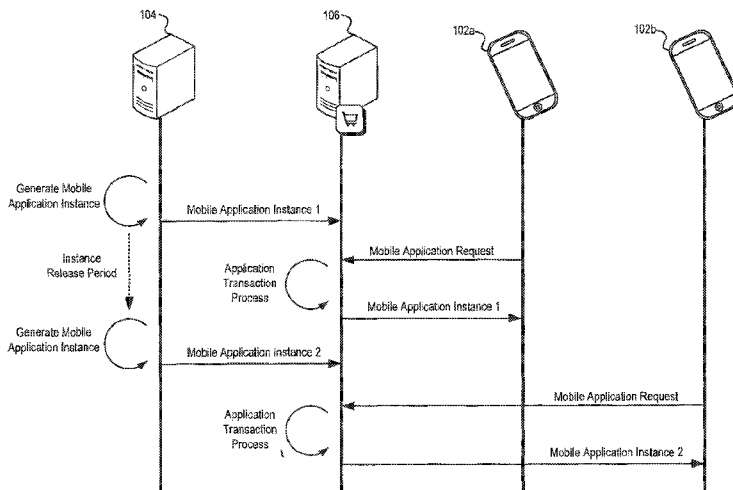


Figure 2

(57) Abstract: Systems and methods are described that use software diversification techniques to improve the security of mobile applications. Embodiments of the disclosed systems and methods may, among other things, facilitate secure application distribution through deployment of diverse of applications in an application distribution channel. Software diversification consistent with certain disclosed embodiments may mitigate large-scale automated circumvention of security protections by presenting attacking malware moving and/or otherwise unpredictable diverse targets.





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A. CLASSIFICATION OF SUBJECT MATTER**G06F 21/12(2013.01)i, G06F 21/51(2013.01)i, G06F 21/55(2013.01)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 21/12; G06F 15/16; G06F 15/173; G06F 9/44; H04L 29/00; H04L 9/00; G06F 21/00; G06F 21/51; G06F 21/55

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: application, store, instance, policy, release, time, distribution

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7269845 B1 (CHRIS RYGAARD et al.) 11 September 2007 See column 7, line 66 - column 8, line 5; claim 1; and figure 7.	1-13
A	US 7926086 B1 (THIERRY P. VIOLLEAU et al.) 12 April 2011 See column 2, lines 29-58; and figure 3.	1-13
A	US 2009-0249489 A1 (BENJAMIN LIVSHITS et al.) 01 October 2009 See paragraph [0047]; and figure 4.	1-13
A	US 7249176 B1 (JONATHAN C. SALAS et al.) 24 July 2007 See column 1, line 59 - column 2, line 3; and figure 3.	1-13
A	US 2005-0182966 A1 (DUC PHAM et al.) 18 August 2005 See paragraph [0016]; and figure 1.	1-13

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

* Special categories of cited documents:

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"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

"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

"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

"&" document member of the same patent family

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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
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US 2009-0249489 A1	01/10/2009	US 8806618 B2	12/08/2014
US 7249176 B1	24/07/2007	None	
US 2005-0182966 A1	18/08/2005	WO 2005-079469 A2 WO 2005-079469 A3	01/09/2005 15/11/2007