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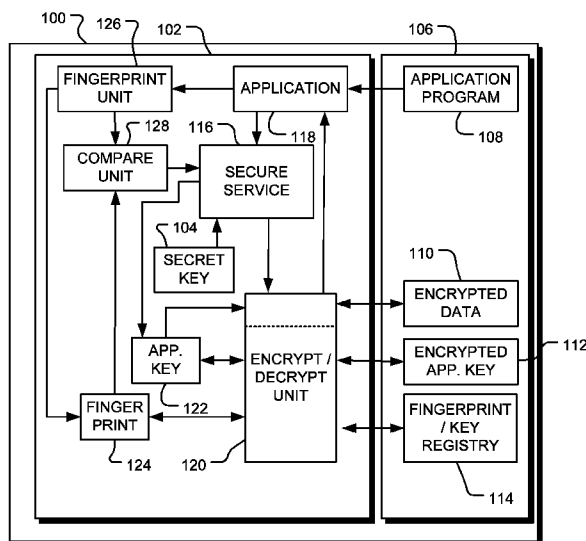
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(54) Title: METHOD AND APPARATUS FOR AUTHENTICATING APPLICATIONS TO SECURE SERVICES



(57) Abstract: During a first time interval, an authentication system produces (412) a fingerprint of a first application, encrypts it (414) and stores (414) the encrypted fingerprint in a memory. In second time interval the authentication system produces (506) a fingerprint of a second application, and retrieves the encrypted fingerprint of the first application from the memory. The encrypted fingerprint of the first application is decrypted to recover the fingerprint of the first application. The second application is authenticated if (510) the fingerprint of the first application is equal to the fingerprint of the second application. The fingerprint may include a hash value of the program of computer instructions of the application. The fingerprint of the first application may be encrypted (414) using an embedded secret key of the authentication system.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/72729

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **G06F 11/30( 2006.01),12/14( 2006.01);H04L 9/32( 2006.01)**  
  
 USPC: **713/187**  
 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)  
 U.S. : 713/187  
  
 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 practicable, search terms used)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 7'340'770 (Fruend) associated publication published 29 January 2004 (29.01.2004), Fig. 3, 4 and associated text.	1-22
Y	US 2004/0044905 (Heath) 4 March 2004 (04.03.2004), paragraphs 127 and 225.	2-22
Y	US 6'748'539 (Lotspiel), 08 June 2004 (08.06.2004), column 3 lines 1-17.	2-22

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

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 29 August 2008 (29.08.2008)	Date of mailing of the international search report 11 SEP 2008
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**INTERNATIONAL SEARCH REPORT**

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

Searched terms: application fingerprint, encryption, store, hash, key, verify, identification