

(19) World Intellectual Property Organization
International Bureau



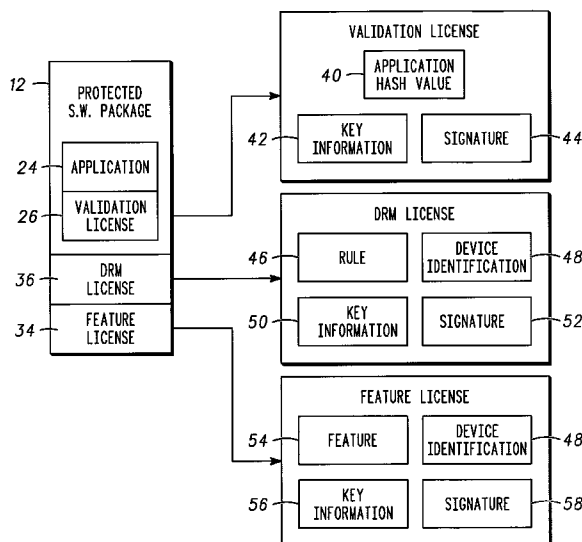
(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/062164 A3

- (51) International Patent Classification:
H04L 9/00 (2006.01) *G06K 5/00* (2006.01)
 - (21) International Application Number:
PCT/US2003/039333
 - (22) International Filing Date:
10 December 2003 (10.12.2003)
 - (25) Filing Language: English
 - (26) Publication Language: English
 - (30) Priority Data:
10/334,849 31 December 2002 (31.12.2002) US
 - (71) Applicant: **MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).
 - (72) Inventors: **DABBISH, Ezzat A.**; 445 Sfst Drive, Cary, IL 60013 (US). **MESSERGES, Thomas**; 1275 Montclair Place, Schaumburg, IL 60173 (US).
 - (74) Agents: **CHAPA, Lawrence J.** et al.; 600 North US Highway 45, Libertyville, IL 60048 (US).
 - (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
 - (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- (88) Date of publication of the international search report:
18 September 2008

(54) Title: METHODS AND APPARATUS FOR MANAGING SECURED SOFTWARE FOR A WIRELESS DEVICE



(57) Abstract: A system and method to securely create, distribute, install and execute selected features of software on wireless devices combines three different types of licenses, a validation license (26), a digital rights management (DRM) license, and a feature license (34) with a software application. Each of these three licenses work independent of each other, where the validation license (26) helps prevent malicious code from executing on wireless devices, the DRM license prevents unauthorized copying of the software application and the feature license (34) securely enables or disables specific features of the software application. The system also allows a wireless device to unwrap a DRM protected software application, to validate the software application, to enforce DRM usage rules and to execute selected features of the software application.



WO 2004/062164 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/39333

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) : H04L 9/00; G06K 5/00
 US CL : 713/167; 235/380; 705/59

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. : 713/167; 235/380; 705/59

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,E	US 6,898,706 B1 (VENKATESAN et al) 24 May 2005, col 3-col 28	1-32
X,E	US 6,824,051 B2 (REDDY et al) 30 November 2004, col 2-col 15	1-32

Further documents are listed in the continuation of Box C.

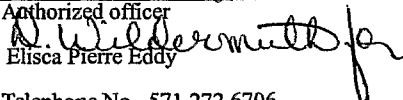
See patent family annex.

* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"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
 04 July 2005 (04.07.2005)

Date of mailing of the international search report
12 MAR 2007

Name and mailing address of the ISA/US
 Mail Stop PCT, Attn: ISA/US
 Commissioner of Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

Authorized officer

 Elisca Pierre Eddy
 Telephone No. 571 272 6706

Facsimile No. (703) 305-3230