

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 September 2007 (07.09.2007)

PCT

(10) International Publication Number
WO 2007/100975 A3

(51) International Patent Classification:
G06F 11/30 (2006.01)

(21) International Application Number:

PCT/US2007/062055

(22) International Filing Date:

13 February 2007 (13.02.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/361,469 24 February 2006 (24.02.2006) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 11/319,255 (CIP)
Filed on 27 December 2005 (27.12.2005)

(71) Applicant (for all designated States except US):
WIDEVINE TECHNOLOGIES, INC. [US/US];
900 Fourth Avenue, Suite 3400, Seattle, WA 98164 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MORTEN, Glenn, A.**
[US/US]; 6035 173rd Avenue SE, Bellevue, WA 98006 (US).

(74) Agent: **BRANCH, John, W.**; Darby & Darby P.C., P.O.
Box 770, Church Street Station, New York, NY 10008-
0770 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): 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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, ZA, ZM, ZW.

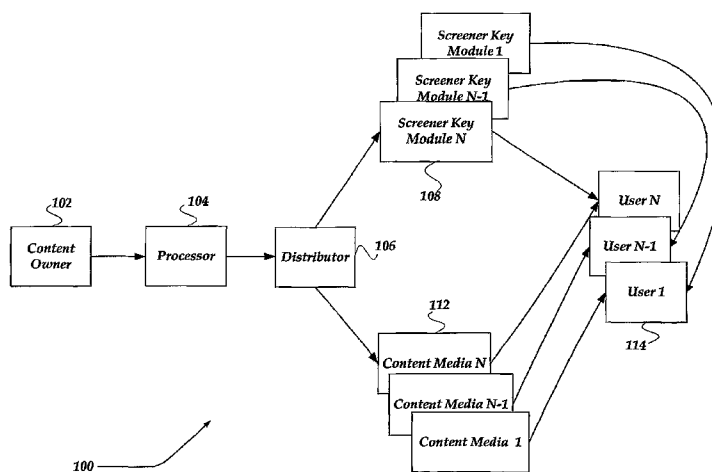
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: SYSTEM, METHOD, AND APPARATUS FOR SECURELY PROVIDING CONTENT VIEWABLE ON A SECURE DEVICE



(57) Abstract: A system, apparatus, and method are directed to providing and securely viewing secure content. In one embodiment, a secure player provides secure screening/previewing of secure content, such as a motion picture, by a member of an awards organization. A content key is employed to selectively encrypt at least a portion of a content stream. The content key is encrypted with a screener key. The encrypted content key is embedded into the secure content. The screener key is encrypted using public/private key pair that is bound to the secure player. The secure content may be distributed on a medium, such as a DVD, high definition DVD, or over a network, or the like. The secure player is configured to receive the medium, screener key, and a screener identity. The screener identity and screener key are employed by the secure player to decrypt and enable secure viewing of the content.

WO 2007/100975 A3



(88) Date of publication of the international search report:

29 November 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/62055

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): G06F 11/30 (2007.01)

USPC: 713/193

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)

IPC(8): G06F 11/30 (2007.01)

USPC: 713/193

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 713/150, 171, 187, 193, 194; 705/50, 51, 57; 380/44, 278, 283

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

Electronic databases: USPTO WEST (PGPB, USPT, EPAB, JPAB); DIALOG PRO

Search Terms Used: media content or player, private or public or screener key, detecting or monitoring or tracking or determining tampering, encrypting or decrypting content or key, distributing or delivering media or content, network or DVD etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0184616 A1 (MORTEN) 23 September 2004 (23.09.2004) (abstract, figs. 2 & 5-6, and para [0035]-[0052], [0063]-[0067], [0077]-[0085])	1-25
A	US 2005/0273862 A1 (BENALOH et al.) 08 December 2005 (08.12.2005)	1-25
A	US 2003/0046568 A1 (RIDDICK et al.) 06 March 2003 (06.03.2003)	1-25
A	US 2002/0049679 A1 (RUSSELL et al.) 25 April 2002 (25.04.2002)	1-25

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"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)

"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

"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

Date of the actual completion of the international search

22 July 2007 (22.07.2007)

Date of mailing of the international search report

11 SEP 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774