

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 December 2007 (21.12.2007)

PCT

(10) International Publication Number
WO 2007/146571 A3

- (51) International Patent Classification:
H04N 7/167 (2006.01)
- (21) International Application Number:
PCT/US2007/069580
- (22) International Filing Date: 23 May 2007 (23.05.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/804,268 8 June 2006 (08.06.2006) US
11/748,341 14 May 2007 (14.05.2007) US
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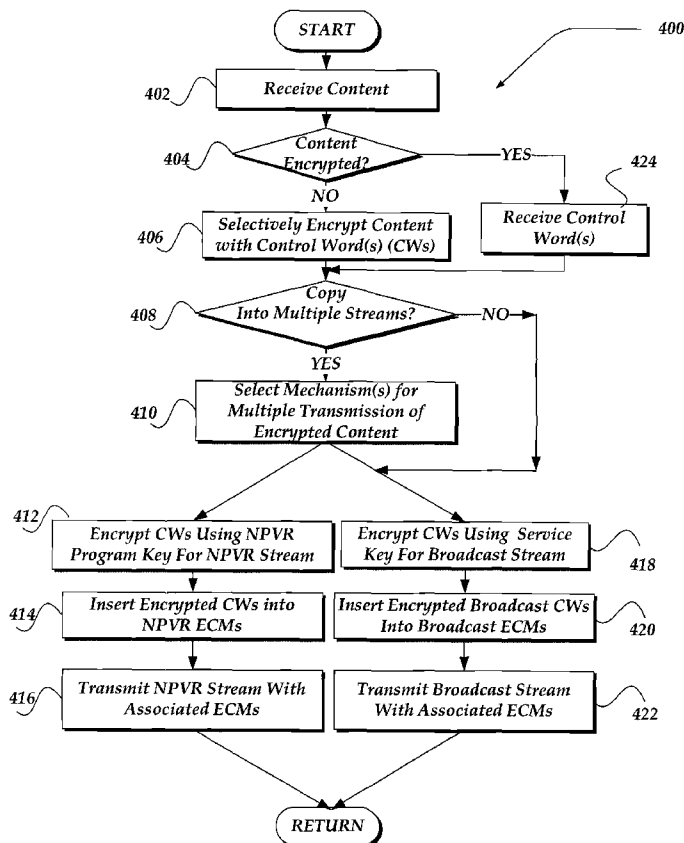
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX,

[Continued on next page]

(54) Title: ENCRYPTION OF VIDEO CONTENT TO VOD SERVICES AND NETWORKED PERSONAL VIDEO RECORDERS USING UNIQUE KEY PLACEMENTS



(57) Abstract: A network device and method are directed towards providing one time content encryption for Video on Demand (VOD) broadcast services and Networked Personal Video Recorders (NPVRs) using unique encryption keys. As content is received by the network device, it is determined whether the content is for broadcast distribution to a consumer (102-104) and to be ingested into an NPVR/VOD server (112) for possible unicast distribution. If the content is for both distributions, it is encrypted using at least one control word (CW) key. The encrypted content is then copied into at least two streams, with the CW being encrypted with at least two different keys, one for broadcast distribution, and one for NPVR Programs. One stream may then be ingested by the NPVR/VOD server (112), while the other stream may be broadcast to a consumer (102-104). The encryption keys may be provided through EMMs to a consumer based on a purchase.

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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, UZ, VC, VN, ZA, ZM, ZW.

PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(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, MT, NL, PL,

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
25 September 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/69580

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **H04N 7/167(2006.01)**

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)
 U.S. : 713/193

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 EAST (encrypt, broadcast, unicast, set top box)

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2004/0078575 A1 (Morten et al) 22 April 2004 (22.04.2004), paragraphs 8, 13, 29, 33, 71, and 77	1,2,5,6,9-12,15,16,18-20 ----- 3,4,7,8,13,14,17
Y	US 6,971,008 B2 (Wasilewski et al) 29 Nov 2005 (29.11.2005) column 4, lines 24-46, column 21 lines 25-38	3,4,7,8,13,14,17

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
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"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 17 June 2008 (17.06.2008)	Date of mailing of the international search report 21 JUN 2008
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