(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
19 January 2006 (19.01.2006)

PCT

(10) International Publication Number
WO 2006/006783 A1

(51) International Patent Classification[7]: G06F 17/00

(21) International Application Number:
PCT/KR2005/002154

(22) International Filing Date: 6 July 2005 (06.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/586,724 12 July 2004 (12.07.2004) US
10-2004-0073819
15 September 2004 (15.09.2004) KR

(71) Applicant *(for all designated States except US)*: **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **OH, Yun-Sang** [KR/KR]; #C-2901 Tower Palace APT, Dogok 2-dong, Gangnam-gu, Seoul 135-272 (KR). **KIM, Tae-Sung** [KR/KR]; #202 Goi Villat, 215-1, Sangdo 1-dong, Dongjak-gu, Seoul 156-031 (KR). **KIM, Shin-Han** [KR/KR]; 103-3, Dongsomoon-dong 4-ga, Seongbuk-gu, Seoul 136-034 (KR). **JUNG, Kyung-Im** [KR/KR]; #310-2402 Jugong 3-danji, Neuti-maeul, 88, Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-744 (KR).

(74) Agents: **KIM, Dong-Jin** et al.; 6th Fl. Youngpoong Bldg., 142, Nonhyun-dong, Gangnam-gu, Seoul 135-749 (KR).

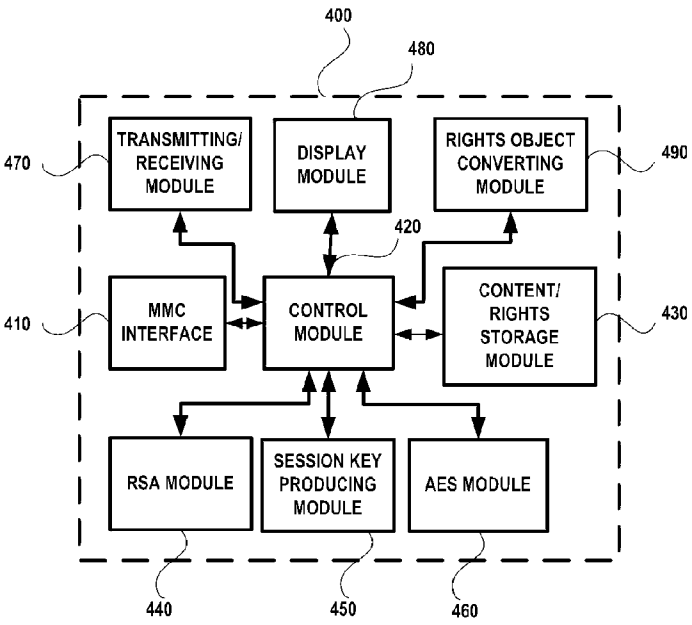
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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:** APPARATUS AND METHOD FOR PROCESSING DIGITAL RIGHTS OBJECT



(57) **Abstract:** An apparatus and a method that transmit and receive a converted format of a digital rights object between a device and a portable storage device. The apparatus for processing a digital rights object includes a transmitting/receiving module for receiving the rights object expressed in a Markup language from a rights issuer, a rights object converting module for converting the rights object into a frame having a format for communicating with a portable storage device, an interface for connecting with the portable storage device, and a control module for providing the frame to the portable storage device through the interface and receiving the converted format of the rights object from the portable storage device through the interface.

WO 2006/006783 A1

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.