



- (51) International Patent Classification:  
*G06Q 50/10* (2012.01)
- (21) International Application Number:  
PCT/KR2012/000058
- (22) International Filing Date:  
4 January 2012 (04.01.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
10-2011-0020622 8 March 2011 (08.03.2011) KR
- (71) Applicant (for all designated States except US): **SAM-SUNG ELECTRONICS CO., LTD.** [KR/KR]; 129, Sam-sung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 (KR).
- (72) Inventors: **HWANG, Yong-Ho**; 114-903 Lake Palace Apt., Jamsil 3-dong, Songpa-gu, Seoul 138-790 (KR). **LEE, Choong-Hoon**; 609-1303 Heungdeok Maeul 6-danji, Jayeon & SwiChaen Apt., Yeongdeok-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-876 (KR). **CHOI, Sang-Su**;

403-1601 Sinyeongtong Hyundai 4-cha Apt., Ban-wol-dong, Hwaseong-si, Gyeonggi-do 445-984 (KR). **KIM, Jin-Mok**; 111-501 Daelim Apt., Bojeong-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-913 (KR).

(74) Agent: **Y.P.LEE, MOCK & PARTNERS**; Koryo Building, 1575-1 Seocho-dong, Seocho-gu, Seoul 137-875 (KR).

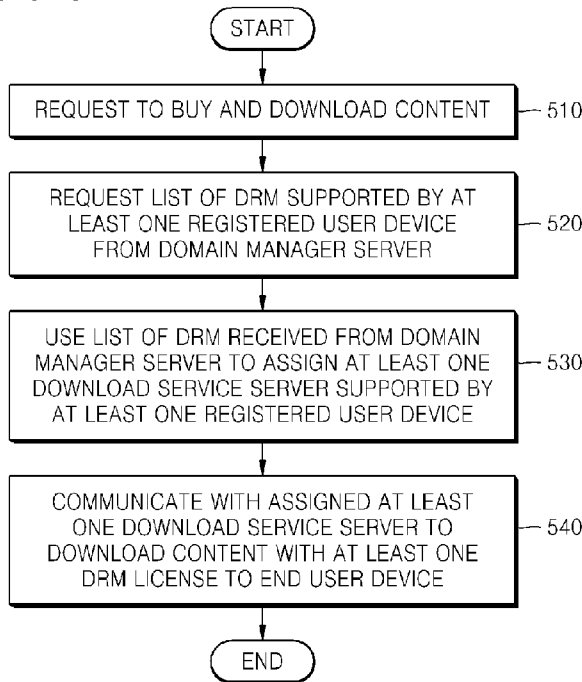
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MANAGING CONTENT TO BE SHARED AMONG DEVICES

[Fig. 5]



(57) Abstract: A method and apparatus for managing content among user devices is provided. The method includes requesting, from a first server, a list of Digital Rights Management (DRM) supported by at least one user device upon receiving a request to download content; using the list of DRM received from the first server to assign at least one second server supported by the at least one user device; and communicating with the assigned at least one second server to download, to the end user device, the content with at least one DRM license supported by the at least one user device.





TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**(88) Date of publication of the international search report:**  
6 December 2012

**Published:**

— *with international search report (Art. 21(3))*

**A. CLASSIFICATION OF SUBJECT MATTER****G06Q 50/10(2012.01)i**

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)

G06Q 50/10; H04W 4/06; G06F 15/16; H04N 7/173; H04M 1/00; H04L 9/00; H04W 92/18; G06F 13/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: DRM, download, device, license

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2010-510696 A (SONY ERICSSON MOBILE COMMUNICATIONS AB, et al.) 02 April 2010 See the abstract; claims 1-10; figures 1-7.	1-15
Y	KR 10-2010-0062807 A (ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE) 10 June 2010 See the abstract; claims 1-20; figures 1-7b.	1-15
A	US 2010-0317399 A1 (RODRIGUEZ TONY F.) 16 December 2010 See the abstract; claims 1-6; figure 1.	1-15
A	JP 2009-521765 A (SONY ERICSSON MOBILE COMMUNICATIONS AB, et al.) 04 June 2009 See the abstract; claims 1-19; figures 1-2.	1-15

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

\* 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 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

25 SEPTEMBER 2012 (25.09.2012)

Date of mailing of the international search report

**26 SEPTEMBER 2012 (26.09.2012)**

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan  
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK Mi Jeong

Telephone No. 82-42-481-8379



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/KR2012/000058**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2010-510696 A	02.04.2010	AT 537652 T	15.12.2011
		CN 101529867 A	09.09.2009
		EP 2080349 A1	22.07.2009
		EP 2080349 B1	14.12.2011
		JP 2010-510696 T	02.04.2010
		JP 4891407 B2	22.12.2011
		US 2008-0109852 A1	08.05.2008
		WO 2008-047184 A1	24.04.2008
KR 10-2010-0062807 A	10.06.2010	US 2010-0138928 A1	03.06.2010
US 2010-0317399 A1	16.12.2010	WO 2010-144610 A1	16.12.2010
JP 2009-521765 A	04.06.2009	CN 101395603 A	25.03.2009
		EP 1982274 A1	22.10.2008
		US 2007-0157072 A1	05.07.2007
		WO 2007-075201 A1	05.07.2007