

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 February 2006 (02.02.2006)

PCT

(10) International Publication Number
WO 2006/011729 A1

(51) International Patent Classification⁷: **G06K 19/06**

(21) International Application Number:
PCT/KR2005/002385

(22) International Filing Date: 22 July 2005 (22.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2004-0058790 27 July 2004 (27.07.2004) KR

(71) Applicant (for all designated States except US): **COL-ORZIP MEDIA, INC.** [KR/KR]; 4F., Sinseung Building, 115-4, Nonhyun-dong, Gangnam-gu, Seoul 135-010 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YOON, Hyung-Min** [KR/KR]; 776-27 Yeoksam-dong, Gangnam-gu, Seoul 135-928 (KR). **SHIN, Hyun-Gu** [KR/KR]; 102-1306 Samsung Apt., Gokbanjeong-dong, Gwonseon-gu, Suwon-city, Kyungki-do 441-711 (KR). **LEE, Chang-Su** [KR/KR]; Rm. 411, Paradisetel 80-7 Yeonhui3-dong, Seodaemun-gu, Seoul 120-829 (KR). **HAN, Tack-Don** [KR/KR]; 922-201 Mokdongshinsigaji Apt. 312, Shinjeong-dong, Yangcheon-gu, Seoul 158-769 (KR).

(74) Agent: **Y.PLEE, MOCK & PARTNERS**; The Cheonghwa Bldg. 1571-18 Seocho-dong, Seocho-gu, Seoul 137-874 (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.

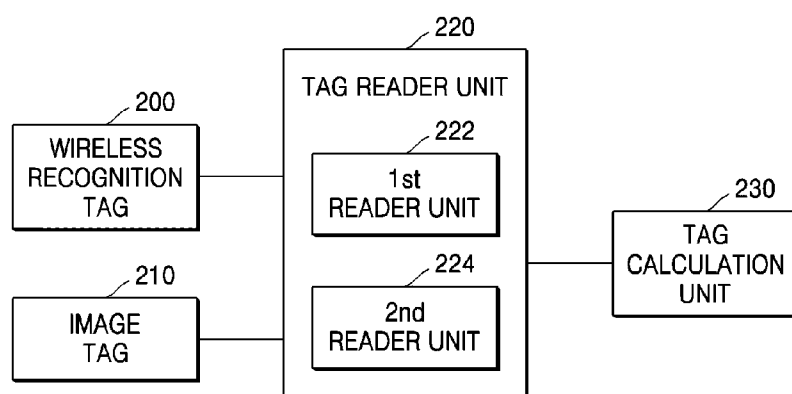
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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.

(54) Title: HYBRID TAG INTERFACE SYSTEM AND METHOD USING THE HYBRID TAG INTERFACE



combining a wireless recognition tag and an image tag.44.

(57) Abstract: A hybrid tag interface system and an interfacing method therefor are provided. First codes for an object from a wireless recognition tag containing the first codes are received through wireless communication, a second code for the object from an image tag expressing the second code by using a 1- or 2-dimensional image is read through optical contact, and then information on the object is calculated from the first codes and the second code based on their correlation. By doing so, automatic recognition and visibility can be maximized using the hybrid tag