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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010335 A1

(51) International Patent Classification[7]: G06F 17/30

(21) International Application Number:
PCT/KR2003/001410

(22) International Filing Date: 16 July 2003 (16.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2002-0043097 23 July 2002 (23.07.2002) KR
10-2002-0062923 15 October 2002 (15.10.2002) KR

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

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **SHIN, Hyoseop** [KR/KR]; #612-1310 6 danji APT, Kayang 3-dong, Kangseo-gu, Seoul 157-746 (KR).

(74) Agent: **KIM, Dongjin**; 3F Sunggok Bldg., 823-22 Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).

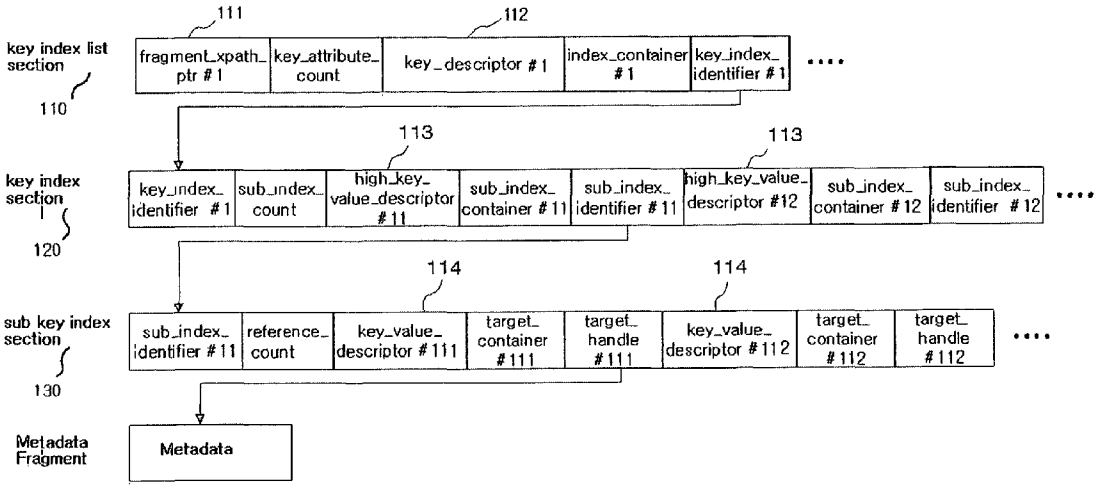
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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

Published:
— *with international search report*

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:** INDEX STRUCTURE OF METADATA, METHOD FOR PROVIDING INDICES OF METADATA, AND METADATA SEARCHING METHOD AND APPARATUS USING THE INDICES OF METADATA



(57) **Abstract:** An index structure of metadata provided for searching for information on contents and a method for providing indices of the metadata, and a method and an apparatus for searching for the metadata using the index structure of the metadata are provided, in which the index structure of the metadata includes values of multi-keys and identification information of the metadata corresponding to the value of the multi-key, wherein the multi-keys are structured by combination of predetermined fields of the metadata.

WO 2004/010335 A1