15/12/04
20040740035

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number
WO 2004/003656 A3

(51) International Patent Classification[7]: G09G 5/00

(21) International Application Number: PCT/IL2003/000538

(22) International Filing Date: 26 June 2003 (26.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/392,376 26 June 2002 (26.06.2002) US
60/438,327 7 January 2003 (07.01.2003) US

(71) Applicant (*for all designated States except US*): **VKB INC.** [US/US]; 1013 Center Road, Wilmington, DE 19805-1265 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LIEBERMAN, Klony** [IL/IL]; 15 Aba Hilkia Street, 93183 Jerusalem (IL). **SHARON, Yuval** [IL/IL]; 56, 90641 KOHAV HASHAHAR (IL). **MAOR, Yaniv** [IL/IL]; Boston Residence 301, Hadassah Ein Karem, 95744 Jerusalem (IL).

(74) Agents: **SANFORD T. COLB & CO.** et al.; P.O. Box 2273, 76122 Rehovot (IL).

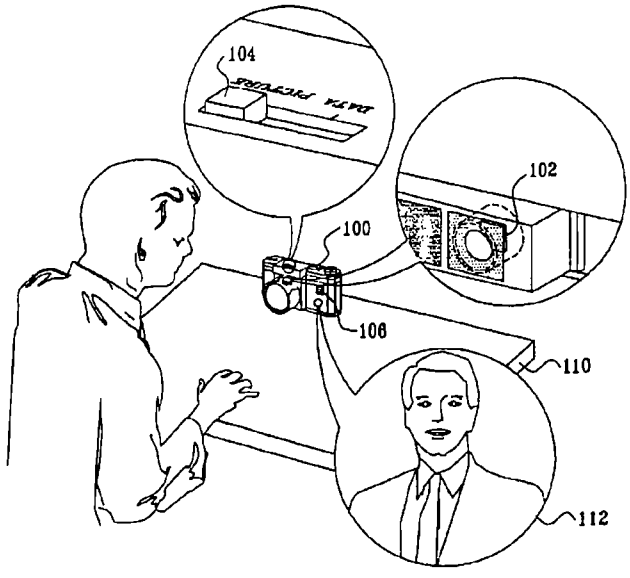
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, 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*

[Continued on next page]

(54) Title: MULTIFUNCTIONAL INTEGRATED IMAGE SENSOR AND APPLICATION TO VIRTUAL INTERFACE TECHNOLOGY



(57) Abstract: An electronic camera (100) including an electronic imaging sensor providing an output representing an imaged field, a first imaging functionality employing the electronic imaging sensor for taking a picture of a scene in the imaged field, a second imaging functionality employing the electronic imaging sensor for data entry responsive to user hand activity and a user-operated imaging functionality selection switch (104) operative to enable a user to select operation in one of the first and second imaging functionalities.

WO 2004/003656 A3

162162

ACTION