

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 January 2006 (12.01.2006)

PCT

(10) International Publication Number
WO 2006/003658 A3

(51) International Patent Classification:

G06K 9/00 (2006.01)

(21) International Application Number:

PCT/IL2005/000707

(22) International Filing Date: 4 July 2005 (04.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/586,162 7 July 2004 (07.07.2004) US

(71) Applicant (for all designated States except US): **REAL IMAGING LTD.** [IL/IL]; C/o Boaz Arnon, Chalamish, 71945 Neve Tzuf (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ARNON, Boaz** [IL/IL]; Chalamish, 71945 Neve Tzuf (IL).

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

(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, KR, 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:

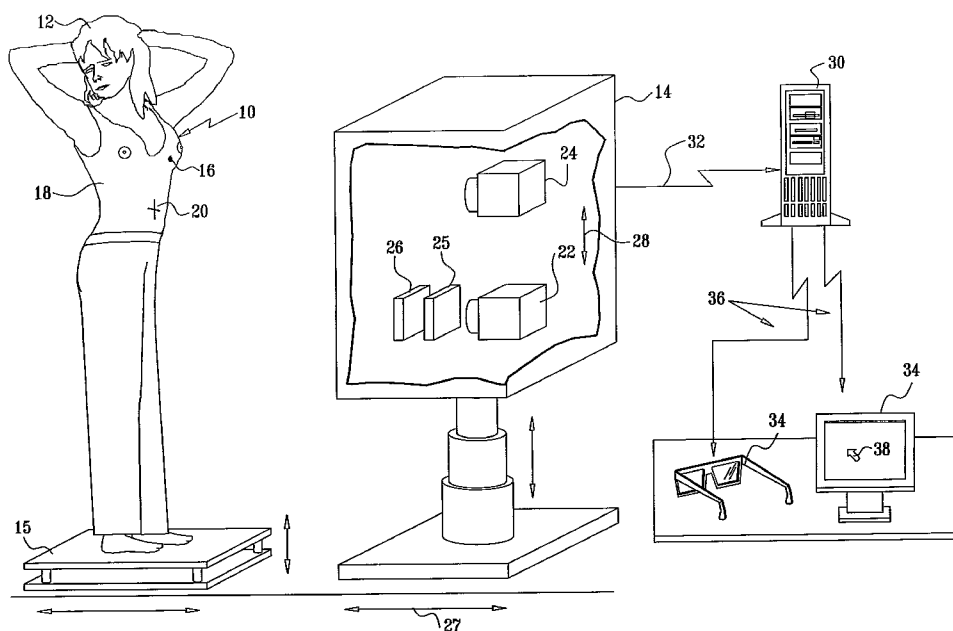
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

13 July 2006

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: 3D THERMAL BREAST CANCER DETECTOR



(57) Abstract: A system for 3D thermographic imaging of a portion of a human body (10, 12, 16, 18 and 20) including non-thermographic image data (22) for at least a portion of a human body, thermographic image data acquisition (24) functionality operative to acquire thermographic image data for at least a part of the at least one portion of the human body containing at least one object and a combined image generator operative to combine the non-thermographic and thermographic image data (30) to provide a visually sensible three-dimensional output indicating the location and orientation of the at least one object within the at least a portion of the human body.

WO 2006/003658 A3