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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/089206 A1

(51) International Patent Classification[7]: A61B 5/01

(21) International Application Number:
PCT/SG2004/000084

(22) International Filing Date: 8 April 2004 (08.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003901694 10 April 2003 (10.04.2003) AU

(71) Applicant *(for all designated States except US)*: **SINGAPORE TECHNOLOGIES ELECTRONICS LIMITED** [SG/SG]; 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG).

(72) Inventors; and

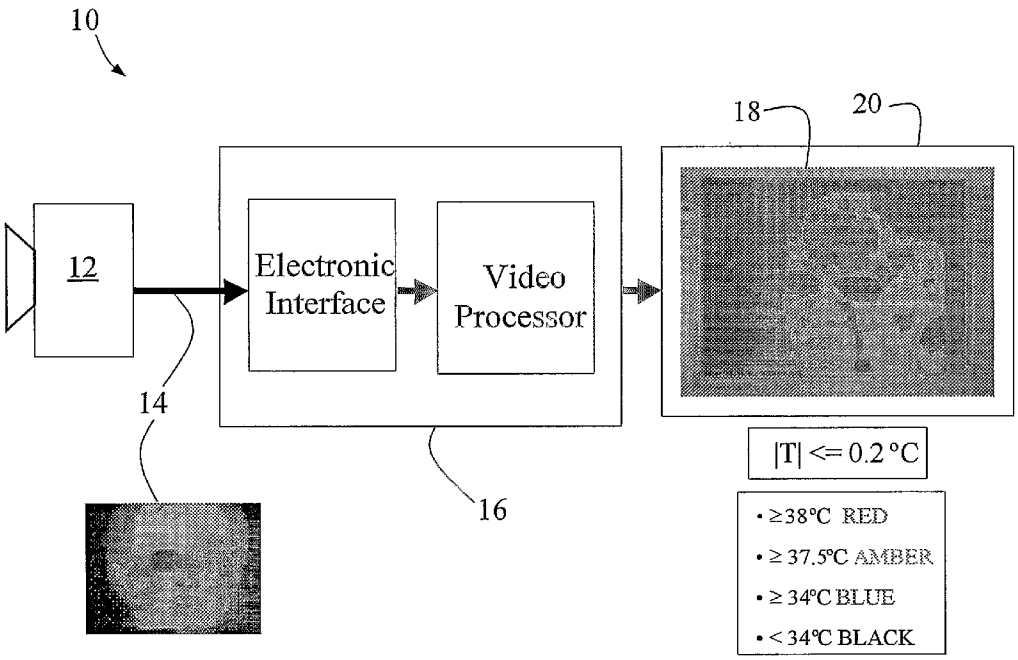
(75) Inventors/Applicants *(for US only)*: **LOH, Albert** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **LEE, Chai, Lay** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **TAN, Andy, Wee, Kok** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **KOH, Kee, Poh** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **QUEK, Simon, Swee, Ken** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **TAY, Hun, Kiat** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG). **SEAH, Moon, Ming** [SG/SG]; c/o 24 Ang Mo Kio Street 65, Block D, Level 5 Singapore 569061 (SG).

(74) Agent: **SIM, Yuan, Meng, Andrew**; c/o Shook Lin & Bok, 1 Robinson Road #18-00 AIA Tower, Singapore 048542 (SG).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MEASURING TEMPERATURE OF A BODY



(57) Abstract: A method and apparatus measuring the temperature of an object (such as a person), comprising creating image data corresponding to an image of the object by means of the infrared camera (12) and representable as a greyscale image (14) of the object, establishing a temperature calibration for the greyscale image, and deducing the temperature from the greyscale image and the temperature calibration. The image (14) may be outputted in colour coded (18) or greyscale form so that the temperature can be ascertained visually at one or more portions of the object.

WO 2004/089206 A1

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 *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, 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, IT, LU, 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.