(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 December 2007 (06.12.2007)

(10) International Publication Number WO 2007/138378 A3

- (51) International Patent Classification: *G06T 11/00* (2006.01)
- (21) International Application Number:

PCT/IB2006/003316

(22) International Filing Date:

22 November 2006 (22.11.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/420,030

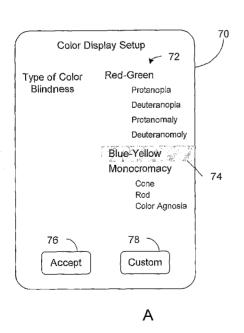
24 May 2006 (24.05.2006) US

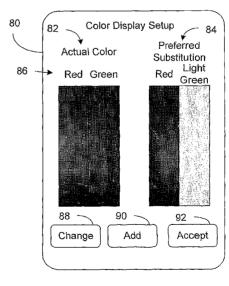
- (71) Applicant (for all designated States except US): SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; Nya Vattentornet, S-221 83 Lund (SE).
- (72) Inventors: and
- (75) Inventors/Applicants (for US only): ANDREASSON, Markus [SE/SE]; Sabelgränden 12, S-226 48 Lund (SE). WONG, Marcel [SE/SE]; Spolegatan 12 B, S-222 20 Lund (SE).
- (74) Agent: FAFRAK, Kenneth, W.; Renner, Otto, Boisselle & Sklar, LLP, 1621 Euclid Avenue, 19th Floor, Cleveland, OH 44115-2191 (US).

- (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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: 27 March 2008
- (54) Title: READING GLASSES FOR THE COLOR BLIND





В

(57) Abstract: An electronic equipment includes an image storage device (60) for capturing and/or storing data representative of an image, and an image processing circuit (62). The image processing circuit (62) is operable to modify the stored image data when a color combination as defined in the image data corresponds to a color combination associated with color blindness. The modified image data then is provided to a display (22) for viewing by a color blind individual.



INTERNATIONAL SEARCH REPORT

International application No PCT/IB2006/003316

CLASSIFICATION OF SUBJECT MATTER ÎNV. G06T11/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) GO6T Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2005/111019 A1 (NAKAUCHI SHIGEKI [JP] 1 - 18ET AL) 26 May 2005 (2005-05-26) abstract; figures 2,8 paragraphs [0004] - [0021] paragraphs [0030] - [0051] X EP 1 413 930 A (BROTHER IND LTD [JP]) 1 - 1828 April 2004 (2004-04-28) abstract paragraphs [0099] - [0108]. [0173] -[0180] X US 6 486 894 B1 (ABDELHADI SANAA F [US] ET 1-14AL) 26 November 2002 (2002-11-26) 16-18 abstract; figures 2,3 column 1, line 51 - column 3, line 42 15 X Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 January 2008 24/01/2008 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 ALMEIDA GARCIA, B

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/003316

| | tion). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|-----------|---|-----------------------|--|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | |
| X | EP 1 453 008 A (OCE TECH BV [NL]) 1 September 2004 (2004-09-01) the whole document | 1,13 | |
| A | EP 1 093 754 A (HAYASHI MASASHI [JP]) 25 April 2001 (2001-04-25) the whole document | 1-18 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | · | | |
| | • | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2006/003316

| | Publication date | Patent family member(s) | Publication date |
|----|---------------------|---|---|
| A1 | 26-05-2005 | NONE | |
| Α | 28-04-2004 | CN 1484114 A US 2004027594 A1 | 24-03-2004 12-02-2004 |
| B1 | 26-11-2002 | NONE | |
| Α | 01-09-2004 | NONE | |
| Α | 25-04-2001 | JP 2001112811 A US 6149270 A | 24-04-2001 21-11-2000 |
| | A B1 A | A1 26-05-2005 A 28-04-2004 B1 26-11-2002 A 01-09-2004 | A1 26-05-2005 NONE A 28-04-2004 CN 1484114 A US 2004027594 A1 B1 26-11-2002 NONE A 01-09-2004 NONE A 25-04-2001 JP 2001112811 A |