



(51) International Patent Classification:
G06K 7/015 (2006.01) **G06K 7/10** (2006.01)
G06K 7/08 (2006.01)

(21) International Application Number:
PCT/SG2009/000056

(22) International Filing Date:
19 February 2009 (19.02.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/029,597 19 February 2008 (19.02.2008) US

(71) Applicant (for all designated States except US): **BIL-CARE TECHNOLOGIES SINGAPORE PTE. LTD.**
[SG/SG]; 52 Changi South Street 1, Singapore 486161 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MORAN, Peter Malcolm** [ZA/SG]; 11 Biopolis Way #04-08, Helios Building, Singapore 138667 (SG). **BURDEN, Adrian Paul** [GB/IT]; Sebastiano Caboto 10, Albignasego, I-35020 Padova (IT).

(74) Agent: **SCHIWECK, Wolfram**; Viering, Jentschura & Partner LLP, P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, LY, MA, MD, ME, 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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

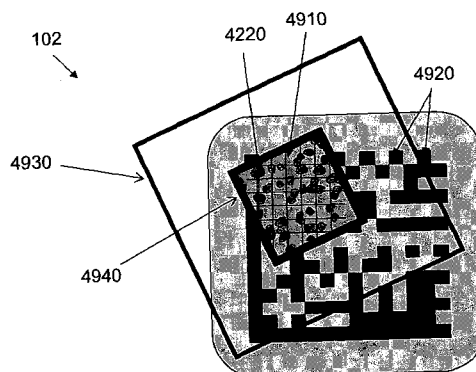
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, 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 (Art. 21(3))

(54) Title: A READING DEVICE FOR IDENTIFYING A TAG OR AN OBJECT ADAPTED TO BE IDENTIFIED, RELATED METHODS AND SYSTEMS

FIGURE 48



(57) Abstract: A reading device for identifying a tag or an object adapted to be identified is disclosed. The reading device includes a first reading element for reading a first set of identification features located in the tag or the object adapted to be identified, wherein the first reading element is a magneto-optical reading element; and a second reading element for reading a second set of identification features located in the tag or the object adapted to be identified; wherein the reading device is configured such that a first signal generated from reading the first set of identification features and a second signal generated from reading the second set of identification features are independently used to derive a first signature and a second signature for identifying the tag or object.

