



- (51) **International Patent Classification:**
G06K 9/46 (2006.01) **G06K 9/64** (2006.01)
- (21) **International Application Number:**
PCT/EP2009/063350
- (22) **International Filing Date:**
13 October 2009 (13.10.2009)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
PCT/IB2008/002718
14 October 2008 (14.10.2008) WO
- (71) **Applicant (for all designated States except US):** SICPA HOLDING SA [CH/CH]; Avenue de Florissant 41, CH-1008 Prilly (CH).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** SANNIER, Gael [FR/CH]; Route de Brent 19, CH-1817 Brent (CH).
- (74) **Agent:** BUBLAK, Wolfgang; Bardehle Pagenberg Dost Altenburg Geissler, Galileiplatz 1, 81679 München (DE).
- (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, CL, 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, PE, 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.

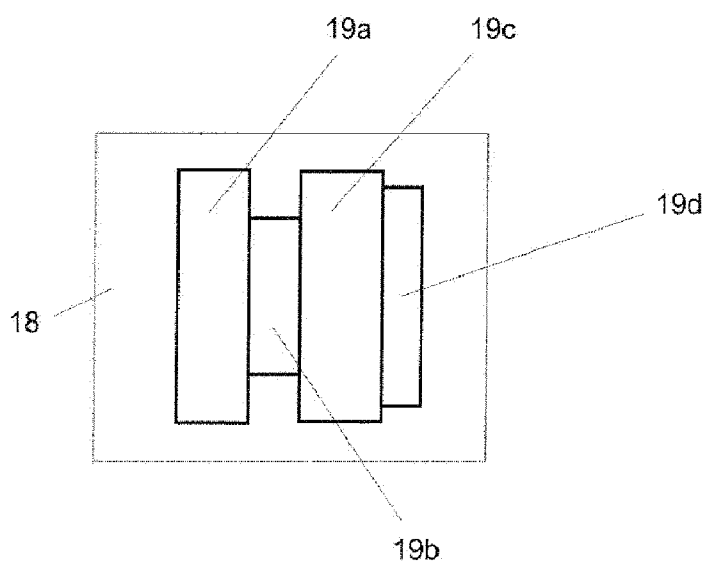
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, 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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (54) **Title:** METHOD AND SYSTEM FOR ITEM IDENTIFICATION

Fig. 6



(57) **Abstract:** The disclosed method and the corresponding system for identifying an item on a production line according to the invention relies on color histograms established from a digital image of the item, which are compared, on a bin per bin basis, with minimum and maximum numbers of pixels per bin allowed for identification with a reference item.