

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number
WO 2004/038645 A1

(51) International Patent Classification⁷: **G06K 7/12**, 19/14

(74) Agent: **FERRARO, Neil, P.**; Wolf, Greenfield & Sacks,
P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(21) International Application Number:

PCT/US2003/031877

(22) International Filing Date: 8 October 2003 (08.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/274,456 18 October 2002 (18.10.2002) US

(71) Applicant (for all designated States except US): **VERIFICATION TECHNOLOGIES, INC. d/b/a VERITEC** [US/US]; 85 Westbrook Road, Centerbrook, CT 06409 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NI, NO, NZ, OM, PG, 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, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

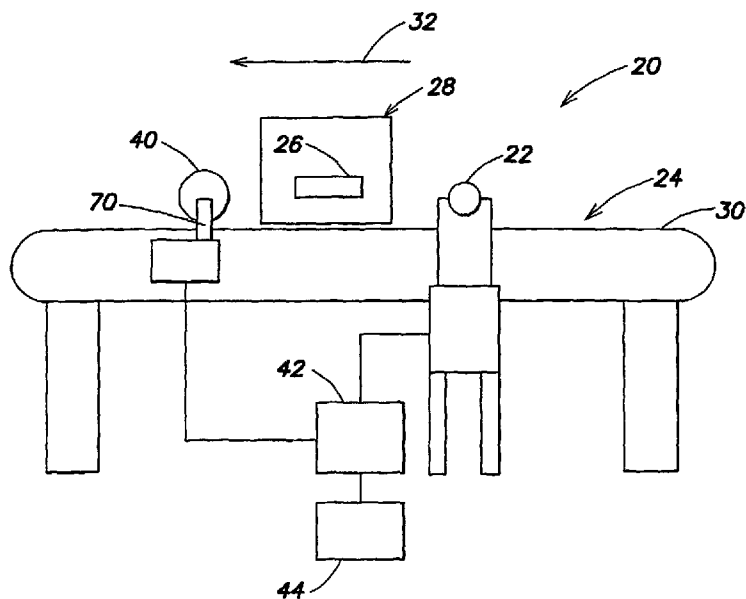
(75) Inventors/Applicants (for US only): **VIG, Rakesh** [IN/US]; 15 Park Place, Durham, CT 06422 (US). **MILLER, Peter** [US/US]; 203 Crystal Avenue, New London, CT 06320 (US). **SWANSON, Drew** [US/US]; 8 Silvermine Road, Brookfield, CT 06804 (US).

Published:

— with international search report

[Continued on next page]

(54) Title: ON-LINE VERIFICATION OF AN AUTHENTICATION MARK APPLIED TO PRODUCTS OR PRODUCT PACKAGING



(57) Abstract: A system and method of verifying application of an authentication mark on a substrate (28) is disclosed. Light-sensitive compounds can be used to identify the product or product packaging. A printer (22), locatable at the production line (24), prints at least one light-sensitive compound on the product or product package to produce at least a portion of the authentication mark (26). A verification device (40), locatable at the production line (24), verifies the application of the at least one light-sensitive compound on the product or product package.

WO 2004/038645 A1



— *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.