

2002060440 07/10/02

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 October 2001 (25.10.2001)

PCT

(10) International Publication Number
WO 01/80167 A1

(51) International Patent Classification⁷: **G06K 9/00**

(21) International Application Number: PCT/SG00/00048

(22) International Filing Date: 13 April 2000 (13.04.2000)

(25) Filing Language: English

(26) Publication Language: English

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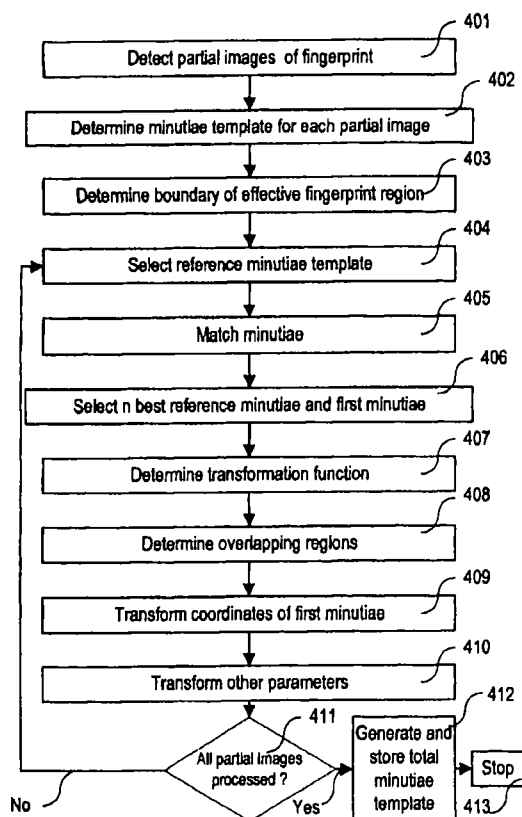
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(81) Designated States (national): AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW.

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(54) Title: METHOD AND DEVICE FOR DETERMINING A TOTAL MINUTIAE TEMPLATE FROM A PLURALITY OF PARTIAL MINUTIAE TEMPLATES



(57) Abstract: A reference minutiae template comprising reference minutiae and a first partial minutiae template, which overlaps the reference minutiae template, the first partial minutiae template comprising first minutiae, are selected. The reference minutiae of the reference minutiae template are matched with the first minutiae of the first partial minutiae template. Using the matched minutiae, a transformation function is determined, which describes the relation between the reference minutiae and the first minutiae. The first minutiae, which are located outside the overlapping region, are transformed using the transformation function, thereby generating a new reference template. Furthermore, a second partial minutiae template is selected, which overlaps the new reference minutiae template, the second partial minutiae template comprising second minutiae. The method is repeated iteratively for all partial minutiae templates with the new reference minutiae template as the reference minutiae template of the next iteration, the second partial minutiae template as the first partial minutiae template of the next iteration, thereby generating the total minutiae template.



162162



ACTION

WO 01/80167 A1

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

Published:

— with international search report

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