



- (51) International Patent Classification:
G06K 9/00 (2006.01)
- (21) International Application Number:
PCT/US2014/051240
- (22) International Filing Date:
15 August 2014 (15.08.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
14/021,721 9 September 2013 (09.09.2013) US
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DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))

(88) Date of publication of the international search report:
16 July 2015

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,

(54) Title: APPARATUSES AND METHODS FOR IRIS BASED BIOMETRIC RECOGNITION

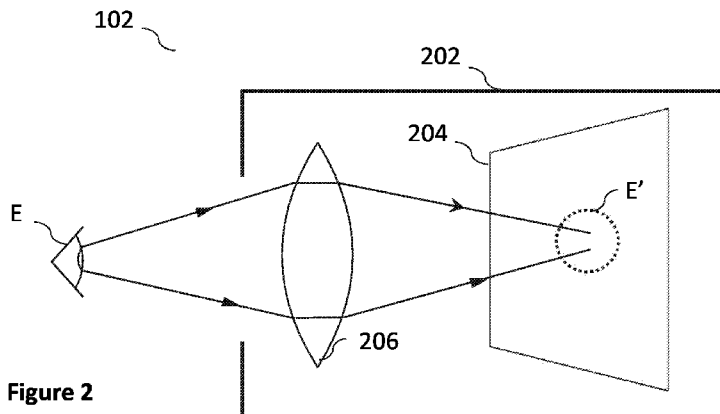


Figure 2

(57) Abstract: The invention provides a method for iris based biometric recognition. The method includes receiving an image from an image sensor and determining whether the received image includes an iris. The steps of receiving and determining are repeated until the received image includes an iris. Responsive to determining that a received image includes an iris, iris information corresponding to such received image is compared with stored iris information corresponding to at least one iris and a match decision or a non-match decision is rendered based on an output of the comparison. The invention additionally provides a system and computer program product configured for iris based biometric recognition.

WO 2015/073078 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 14/51240

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - G06K 9/00 (2015.01)
 CPC - G06K 9/00597; G06K 9/00604; G06K 9/0061
 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)
 IPC(8): G06K 9/00 (2015.01)
 CPC: G06K 9/00597; G06K 9/00604; G06K 9/0061

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 IPC(8): G06K 9/00 (2015.01); CPC: G06K 9/00597; G06K 9/00604; G06K 9/0061; G06T 2207/30216; G06T 7/408; USPC: 382/117; 382/115; 713/186 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 PatBase; Google(Web); Search terms used: iris recognition criteria image repeated comparing stored match subsample

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2009/0150980 A1 (Smith) 11 June 2009 (11.06.2009), entire document especially abstract; Fig. 1, 2; para [0015], [0056], [0075]-[0084], [0097]	1-20, 22-25 ----- 21
Y	US 2012/0207357 A1 (Bedros et al.) 16 August 2012 (16.08.2012), entire document especially para [0019]	21
A	US 2010/0002912 A1 (Solinsky) 07 January 2010 (07.01.2010), entire document	1-25

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance	“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 invention
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“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
“P” document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 07 April 2015 (07.04.2015)	Date of mailing of the international search report 14 MAY 2015
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-8300	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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