

Title (en)
APPARATUS FOR THE IRIS ACQUIRING IMAGES

Title (de)
VORRICHTUNG ZUR ABBILDUNG DER IRIS

Title (fr)
APPAREIL DE PRISE D'IMAGES D'IRIS

Publication
EP 0959769 A1 19991201 (EN)

Application
EP 97941356 A 19970822

Priority
• US 9714873 W 19970822
• US 70292396 A 19960825

Abstract (en)
[origin: WO9808439A1] At least one wide field of view camera (3) and with an associated illuminator (6, 10) obtains sufficient images of a person to be identified so that x, y, z coordinates can be established for the expected position of that person's eye. The coordinates are used to direct a narrow field of view camera (16) and associated illuminators (21-23) to take an image of the eye (76, 78) that can be used for to identifying the person using iris verification and recognition algorithms. These illuminators are positioned and illuminated to eliminate or minimize specularities and reflections that obscure the iris (76).

IPC 1-7
A61B 5/117; **A61B 3/12**; **A61B 3/14**

IPC 8 full level
A61B 3/12 (2006.01); **A61B 3/14** (2006.01); **A61B 5/117** (2006.01); **A61B 10/00** (2006.01); **A61B 10/02** (2006.01); **C12M 1/00** (2006.01); **C12Q 1/34** (2006.01); **C12Q 1/68** (2006.01); **G01N 1/04** (2006.01); **G01N 1/10** (2006.01); **G01N 33/48** (2006.01); **G01N 33/531** (2006.01); **G01N 33/566** (2006.01); **G01N 33/574** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP KR US)
A61B 3/1216 (2013.01 - EP); **A61B 3/145** (2013.01 - EP); **A61B 5/117** (2013.01 - KR); **A61B 5/1171** (2016.02 - EP US); **G06V 40/18** (2022.01 - EP); **G06V 40/19** (2022.01 - EP); **G07C 9/37** (2020.01 - US)

Citation (search report)
See references of WO 9808439A1

Cited by
US10976195B2; US11435227B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
WO 9808439 A1 19980305; AU 4328297 A 19980319; AU 727389 B2 20001214; CA 2264029 A1 19980305; EP 0959769 A1 19991201; JP 2002514098 A 20020514; JP 2004073880 A 20040311; KR 100342159 B1 20020627; KR 20000035840 A 20000626

DOCDB simple family (application)
US 9714873 W 19970822; AU 4328297 A 19970822; CA 2264029 A 19970822; EP 97941356 A 19970822; JP 2003343663 A 20031001; JP 51177498 A 19970822; KR 19997001528 A 19990225