Title (en)
PERSON IDENTIFICATION USING OCULAR BIOMETRICS

Title (de)
PERSONENIDENTIFIZIERUNG MITTELS OKULARER BIOMETRIE

Title (fr)
IDENTIFICATION DE PERSONNE AU MOYEN D'UNE BIOMÉTRIE OCULAIRE

Publication
EP 2831810 A1 20150204 (EN)

Application
EP 12872652 A 20120328

Priority
US 2012030912 W 20120328

Abstract (en)
[origin: WO2013147763A1] A method of assessing the identity of a person by one or more of: 1) internal non-visible anatomical structure of an eye represented by the Oculomotor Plant Characteristics (OPC), 2) brain performance represented by the Complex Eye Movement patterns (CEM), 3) iris patterns, and 4) periocular information. CEM and OPC are estimated via measured eye movements. Eye movement, iris patterns, and periocular information can be captured by a single camera sensor. The person's identity may be assessed based on the estimated characteristics of the oculomotor plant, complex eye movement patterns, iris patterns, and periocular information.

IPC 8 full level
G06K 9/46 (2006.01); **G06K 9/20** (2006.01)

CPC (source: EP)
G06V 40/18 (2022.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2013147763 A1 20131003; EP 2831810 A1 20150204; EP 2831810 A4 20160427

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US 2012030912 W 20120328; EP 12872652 A 20120328