

Title (en)

DEVICE FOR BIOMETRIC IDENTIFICATION WITH THE AID OF FINGERPRINTS AND/OR HAND CHARACTERISTICS, AND METHOD OF BIOMETRIC IDENTIFICATION WITH THE AID OF THESE CHARACTERISTICS

Title (de)

EINRICHTUNG ZUR BIOMETRISCHEN IDENTIFIKATION MIT HILFE VON FINGERABDRÜCKEN UND/ODER HANDCHARAKTERISTIKEN UND VERFAHREN ZUR BIOMETRISCHEN IDENTIFIKATION MIT HILFE DIESER CHARAKTERISTIKEN

Title (fr)

DISPOSITIF D'IDENTIFICATION BIOMÉTRIQUE À L'AIDE D'EMPREINTES DIGITALES ET/OU DE CARACTÉRISTIQUES DE MAIN, ET PROCÉDÉ D'IDENTIFICATION BIOMÉTRIQUE À L'AIDE DESDITES CARACTÉRISTIQUES

Publication

EP 4091091 A1 20221123 (DE)

Application

EP 21700112 A 20210106

Priority

- DE 102020200569 A 20200117
- EP 2021050110 W 20210106

Abstract (en)

[origin: WO2021144171A1] The invention relates to a device for biometric identification with the aid of fingerprints and/or hand characteristics, the device comprising a sensor unit (1) directed at the region of an optical gate (2) in a scanning direction (S), wherein the optical gate (2) is adapted to initialize the sensor unit (1) for scanning an in-focus scan image or scan images of the fingers and/or hand of a person, wherein the device further comprises at least one light source (5), which is likewise directed at the region of the optical gate (2), wherein the sensor unit (1), the optical gate (2) and optionally also the light source (5) are coupled to a control and computing module (6) with software for controlling the device and its parts and for scanning a scan image or the scan images of fingers and/or a hand, and for evaluating the fingerprints and/or hand characteristics, wherein the sensor unit (1) is fixedly set to focus into a focal volume (3) which is assigned to the optical gate (2), and the sensor unit (1), the optical gate (2), the control and computing module (6) and optionally also the light source (5) are configured to scan a single in-focus scan image of the fingers and/or the hand at the time of the passage thereof through the focal volume (3).

IPC 8 full level

G06K 9/00 (2022.01)

CPC (source: EP KR US)

G06V 10/141 (2022.01 - US); **G06V 40/117** (2022.01 - US); **G06V 40/1312** (2022.01 - EP KR US); **G06V 40/1318** (2022.01 - EP KR US); **G06V 40/45** (2022.01 - EP KR US)

Citation (search report)

See references of WO 2021144171A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020200569 A1 20210722; EP 4091091 A1 20221123; KR 20220127915 A 20220920; US 2022415095 A1 20221229; WO 2021144171 A1 20210722

DOCDB simple family (application)

DE 102020200569 A 20200117; EP 2021050110 W 20210106; EP 21700112 A 20210106; KR 20227028411 A 20210106; US 202117758880 A 20210106