

Title (en)

METHOD AND DEVICE FOR THE AUTOMATED AUTHENTICATION OF A SET OF POINTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISIERTEN AUTHENTIFIZIERUNG EINER PUNKTMENGE

Title (fr)

PROCEDE ET DISPOSITIF D'AUTHENTIFICATION AUTOMATISEE D'UN ENSEMBLE DE POINTS

Publication

**EP 2147394 A1 20100127 (FR)**

Application

**EP 08749554 A 20080414**

Priority

- EP 2008054492 W 20080414
- EP 07301034 A 20070511
- EP 08749554 A 20080414

Abstract (en)

[origin: EP1990757A1] The method involves regrouping 3 minutiae for forming triangles (ABC, CDE, FGH), where each triangle has three top distribution points. Information about diameters of circumscribed circles (CCABC, CCCDE, CCFGH) is associated to the triangles. Information respectively representative of two ratios implying three angles are defined for the selected triangle, where the triangle is selected based on Delaunay triangulation method. An independent claim is also included for a device for authentication of characteristic points.

IPC 8 full level

**G06K 9/00** (2006.01); **G06K 9/62** (2006.01)

CPC (source: EP US)

**G06V 10/757** (2022.01 - EP US); **G06V 40/1353** (2022.01 - EP US)

Citation (search report)

See references of WO 2008141872A1

Citation (examination)

- BEBIS G ET AL: "Fingerprint identification using Delaunay triangulation", INFORMATION INTELLIGENCE AND SYSTEMS, 1999. PROCEEDINGS. 1999 INTERNAT IONAL CONFERENCE ON BETHESDA, MD, USA 31 OCT.-3 NOV. 1999, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 31 October 1999 (1999-10-31), pages 452 - 459, XP010362283, ISBN: 978-0-7695-0446-9, DOI: 10.1109/ICIIS.1999.810315
- AGAPOV I A ET AL: "Identification of random fields of points", SIGNAL PROCESSING. IMAGE COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 13, no. 1, 1 July 1998 (1998-07-01), pages 21 - 43, XP004123808, ISSN: 0923-5965, DOI: 10.1016/S0923-5965(97)00045-3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 1990757 A1 20081112**; EP 2147394 A1 20100127; US 2010135538 A1 20100603; WO 2008141872 A1 20081127; ZA 200907648 B 20100825

DOCDB simple family (application)

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