

Title (en)

MICROMECHANICAL COMPONENT FOR RECORDING FINGERPRINTS

Title (de)

MIKROMECHANISCHES BAUELEMENT ZUR ERFASSUNG VON FINGERABDRÜCKEN

Title (fr)

COMPOSANT MICROMECHANIQUE D'ENREGISTREMENT D'EMPREINTES DIGITALES

Publication

**EP 0943078 A1 19990922 (DE)**

Application

**EP 97951795 A 19971120**

Priority

- DE 9702728 W 19971120
- DE 19650294 A 19961204

Abstract (en)

[origin: WO9825115A1] Individual sensors are designed as scanning sensors with a micromechanical membrane and are arranged in a grid. The membranes are provided with stamps to establish a contact with a supporting surface. The membranes are made to vibrate by a corresponding driving circuit. The vibrations of the membranes are modified depending on the pressure exercised by the stamps located on the membrane. From the type of modification one can determine whether a ridge or a furrow of the finger structure can be found at the corresponding position.

IPC 1-7

**G01L 1/14**; G01L 9/00; G01L 5/22; G06K 9/00; A61B 5/117

IPC 8 full level

**A61B 5/1172** (2016.01); **G01L 1/14** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP)

**A61B 5/1172** (2013.01); **G01L 1/146** (2013.01); **G01L 1/148** (2013.01); **G06V 40/1306** (2022.01)

Citation (search report)

See references of WO 9825115A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 9825115 A1 19980611**; EP 0943078 A1 19990922

DOCDB simple family (application)

**DE 9702728 W 19971120**; EP 97951795 A 19971120