

Title (en)

DEVICE FOR ESTIMATING IN VIVO SKIN WRINKLING, AND METHOD THEREFOR

Title (de)

VORRICHTUNG UND VERFAHREN ZUR IN-VIVO BESTIMMUNG VON HAUTFALTEN

Title (fr)

DISPOSITIF D'EVALUATION DU PLISSEMENT DE LA PEAU IN VIVO ET PROCEDE POUR SA MISE EN OEUVRE

Publication

EP 0821565 A1 19980204 (FR)

Application

EP 97905201 A 19970213

Priority

- FR 9700278 W 19970213
- FR 9601968 A 19960216

Abstract (en)

[origin: WO9729686A1] A device for estimating (in vivo) skin wrinkling, including (a) movable means for forming wrinkles on an examined skin area (Z) in a direction parallel thereto, (b) movable means (D) for scanning the wrinkled skin area using an incident light beam (L) from a light source, (c) position sensing detectors (PSD) for recording the light (L1) reflected by the wrinkled skin, (d) means for converting the sensed light into an electrical signal, and (e) means (T) for extracting at least one representative parameter of the wrinkled skin profile from the electrical signal. A method carried out by means of the device is also disclosed. The method is useful for serially estimating the mechanical properties of the dermis, e.g. the resiliency and firmness thereof, as well as skin ageing, and for estimating the effectiveness of products intended to control same.

IPC 1-7

A61B 5/103

IPC 8 full level

A61B 5/107 (2006.01); **A61B 5/103** (2006.01)

CPC (source: EP US)

A61B 5/442 (2013.01 - EP US)

Citation (search report)

See references of WO 9729686A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9729686 A1 19970821; EP 0821565 A1 19980204; JP 2000513243 A 20001010; JP 3211835 B2 20010925; US 5944667 A 19990831

DOCDB simple family (application)

FR 9700278 W 19970213; EP 97905201 A 19970213; JP 52905297 A 19970213; US 93057798 A 19980116