

Title (en)

DEVICE AND METHOD FOR DETERMINING A PIECE OF POLARISATION INFORMATION AND POLARIMETRIC IMAGING DEVICE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG VON POLARISATIONSinFORMATIONEN UND POLARIMETRISCHE BILDGEBUNGsvORRICHTUNG

Title (fr)

DISPOSITIF ET PROCEDE DE DETERMINATION D'UNE INFORMATION DE POLARISATION ET IMAGEUR POLARIMETRIQUE

Publication

EP 2376881 A1 20111019 (FR)

Application

EP 10706023 A 20100115

Priority

- FR 2010050064 W 20100115
- FR 0950236 A 20090115
- FR 0950535 A 20090128

Abstract (en)

[origin: WO2010081999A1] The invention relates to a method and to a device (2) for determining at least one piece of polarisation information on a measurement point of a target sample (8), the device (2) comprising: - a light source (4) capable of emitting a rectilinearly polarised light beam, the light beam being intended to be reflected by the measurement point; - a means (9) for computing polarisation information on the measurement point using the beam reflected by the target sample (8); - at least one waveguide (6) for guiding the incident beam towards the target sample (8) and the reflected beam towards the computing means (9); and - a means (22) for rotating the polarisation, capable of rotating two orthogonal polarimetric components of the incident beam after passing through the waveguide and two orthogonal polarimetric components of the reflected beam before passing through the waveguide.

IPC 8 full level

G01J 4/04 (2006.01); **G01N 21/21** (2006.01)

CPC (source: EP US)

A61B 5/0059 (2013.01 - EP US); **A61B 5/0062** (2013.01 - EP US); **G01J 4/04** (2013.01 - EP US); **G01N 21/21** (2013.01 - EP US); **A61B 5/0064** (2013.01 - EP US); **A61B 5/442** (2013.01 - EP US); **G01N 2021/8438** (2013.01 - EP US)

Citation (search report)

See references of WO 2010082000A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

FR 2941047 A1 20100716; EP 2376881 A1 20111019; EP 2376882 A1 20111019; EP 2376882 B1 20210811; ES 2896280 T3 20220224; FR 2941045 A1 20100716; FR 2941045 B1 20110506; FR 2941048 A1 20100716; FR 2941048 B1 20160805; US 2011273711 A1 20111110; US 2011292389 A1 20111201; US 8665436 B2 20140304; US 8896833 B2 20141125; WO 2010081999 A1 20100722; WO 2010082000 A1 20100722

DOCDB simple family (application)

FR 0950236 A 20090115; EP 10706023 A 20100115; EP 10706703 A 20100115; ES 10706703 T 20100115; FR 0950535 A 20090128; FR 0953402 A 20090520; FR 2010050063 W 20100115; FR 2010050064 W 20100115; US 201013144311 A 20100115; US 201013144519 A 20100115