Title (en)

DEVICE FOR MEASURING OPTICAL PROPERTIES OF SAMPLES IN MICROPLATES

Title (de)

VORRICHTUNG ZUR MESSUNG VON OPTISCHEN EIGENSCHAFTEN VON PROBEN IN MIKROPLATTEN

Title (fr)

DISPOSITIF POUR LA MESURE DE PROPRIÉTÉS OPTIQUES D'ÉCHANTILLONS DANS DES MICROPLAQUES

Publication

EP 2663854 A1 20131120 (DE)

Application

EP 12703434 A 20120112

Priority

- DE 202011001569 U 20110114
- EP 2012000117 W 20120112

Abstract (en)

[origin: WO2012095312A1] The invention relates to a device for measuring optical properties of samples in microplates. Said device comprises at least one first monochromator and at least one light source, a first transfer lens system for transporting the light from the light source into the first monochromator, a second transfer lens system for transporting the light exiting from the outlet of the first monochromator to a first measuring position, and a transporting device for microplates, which brings the samples into a measuring position in succession. In order to create the possibility that only monochromators can be used as wavelength selectors and in order to provide high sensitivity and accuracy, the light extends from the outlet of the first monochromator to the first measuring position in a straight line without the interposition of mirrors or light guides, at least in one operating mode of the device.

IPC 8 full level

G01N 21/25 (2006.01); **G01N 21/64** (2006.01)

CPC (source: EP)

G01N 21/6452 (2013.01); **H01Q 3/26** (2013.01); **H01Q 13/22** (2013.01); **H01Q 21/005** (2013.01); **H01Q 21/0087** (2013.01); G01N 2021/6419 (2013.01); G01N 2021/6421 (2013.01)

Citation (search report)

See references of WO 2012095312A1

Citation (examination)

US 2004046956 A1 20040311 - GOULD GENE [US], et al

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

DOCDB simple family (publication)

DE 202011001569 U1 20120301; EP 2663854 A1 20131120; WO 2012095312 A1 20120719

DOCDB simple family (application)

DE 202011001569 U 20110114; EP 12703434 A 20120112; EP 2012000117 W 20120112