

Title (en)
SENSOR PLATFORM AND METHOD FOR ANALYSING MULTIPLE ANALYTES

Title (de)
SENSORPLATFORM UND VERFAHREN ZUR MULTIANALYTBESTIMMUNG

Title (fr)
PLATE-FORME DE CAPTEURS ET PROCEDE PERMETTANT DE DETERMINER PLUSIEURS SUBSTANCES A ANALYSER

Publication
EP 1190236 A1 20020327 (DE)

Application
EP 00940279 A 20000529

Priority
• CH 104799 A 19990605
• CH 6892000 A 20000406
• EP 0004869 W 20000529

Abstract (en)
[origin: WO0075644A1] The invention relates to a variable configuration of a sensor platform, based on a planar thin-film waveguide, for determining one or more luminescences of one or more measuring areas on said sensor platform. The configuration comprises an optical film waveguide with a first optically transparent layer (a) on a second optically transparent layer (b) with a lower index of refraction than layer (a) and at least one grating structure for coupling excitation light into the measuring areas or coupling luminescent light out of said measuring areas. The invention also relates to an optical system for determining luminescence and to an analytical system comprising a sensor platform, an inventive optical system and supply means for bringing one or more samples into contact with the measuring areas on the sensor platform. The invention also relates to methods for determining luminescence and to the use of these methods.

IPC 1-7
G01N 21/77; **G01N 21/64**

IPC 8 full level
G01N 21/64 (2006.01); **G01N 21/55** (2006.01); **G01N 21/77** (2006.01); **G01N 33/483** (2006.01); **G01N 33/543** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP US)
G01N 21/552 (2013.01 - EP US); **G01N 21/648** (2013.01 - EP US); **G01N 21/7703** (2013.01 - EP US); **G01N 21/7743** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0075644 A1 20001214; **WO 0075644 A9 20020912**; AU 5526500 A 20001228; EP 1190236 A1 20020327; JP 2003501654 A 20030114; US 2002074513 A1 20020620; US 2004046128 A1 20040311

DOCDB simple family (application)
EP 0004869 W 20000529; AU 5526500 A 20000529; EP 00940279 A 20000529; JP 2001501870 A 20000529; US 64967703 A 20030828; US 95701 A 20011204