

Title (en)
FLUORESCENCE BIOSENSOR CHIP AND FLUORESCENCE BIOSENSOR CHIP ARRANGEMENT

Title (de)
FLUORESZENZ-BIOSENSORCHIP UND FLUORESZENZ-BIOSENSORCHIP-ANORDNUNG

Title (fr)
PUCE A BIOCAPTEUR FLUORESCENT ET ENSEMBLE PUCE A BIOCAPTEUR FLUORESCENT

Publication
EP 1428026 A1 20040616 (DE)

Application
EP 02758143 A 20020812

Priority
• DE 0202954 W 20020812
• DE 10145701 A 20010917

Abstract (en)
[origin: WO03027676A1] The invention relates to a fluorescence biosensor chip and to a fluorescence biosensor chip arrangement. Said fluorescence biosensor chip comprises a substrate, at least one detection device which is arranged in or on the substrate and is used to detect electromagnetic radiation, an optical filter layer which is arranged on the substrate, and an immobilisation layer which is arranged on the optical filter layer and is used to immobilise trap molecules. Said detection device, optical filter layer and immobilisation layer are integrated into the fluorescence biosensor chip. The inventive fluorescence biosensor chip arrangement comprises a fluorescence biosensor chip and an electromagnetic source of radiation.

IPC 1-7
G01N 33/543

IPC 8 full level
G01N 21/64 (2006.01); **G01N 21/78** (2006.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01); **G01N 33/58** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP US)
G01N 21/6454 (2013.01 - EP US); **G01N 33/54373** (2013.01 - EP US); **G01N 2201/0642** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 03027676 A1 20030403; DE 10145701 A1 20030410; EP 1428026 A1 20040616; JP 2005504293 A 20050210;
US 2004234417 A1 20041125

DOCDB simple family (application)
DE 0202954 W 20020812; DE 10145701 A 20010917; EP 02758143 A 20020812; JP 2003531177 A 20020812; US 80317504 A 20040316