

Title (en)
MULTIPHOTON FLUORESCENCE MICROSCOPE WITH PLANE ARRAY DETECTOR

Title (de)
MEHR-PHOTONEN-FLUORESCENZMIKROSKOP MIT FLÄCHENDETEKTOR

Title (fr)
MICROSCOPE A FLUORESCENCE MULTIPHOTONIQUE A DETECTEUR PLAN

Publication
EP 1664886 A1 20060607 (DE)

Application
EP 04765183 A 20040914

Priority
• EP 2004010269 W 20040914
• DE 10343276 A 20030918

Abstract (en)
[origin: WO2005029148A1] A multiphoton fluorescence microscope (M) is disclosed, comprising an excitation beam path, with a lens (2) which collects the excitation beam (1) at a focal point (4) in the sample (5), a scan device, which adjusts the focal point (4) at least one-dimensionally, and a detector device which records fluorescence radiation stimulated in the sample by multiphoton excitation, whereby the detector device comprises a plane array detector (9), located on the opposite side of the sample (5) to the lens (2).

IPC 1-7
G02B 21/00

IPC 8 full level
G02B 21/16 (2006.01); **G02B 21/36** (2006.01)

CPC (source: EP US)
G02B 21/16 (2013.01 - EP US); **G02B 21/36** (2013.01 - EP US)

Citation (search report)
See references of WO 2005029148A1

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

DOCDB simple family (publication)
WO 2005029148 A1 20050331; DE 10343276 A1 20050414; EP 1664886 A1 20060607; JP 2007506123 A 20070315;
US 2006245021 A1 20061102

DOCDB simple family (application)
EP 2004010269 W 20040914; DE 10343276 A 20030918; EP 04765183 A 20040914; JP 2006526575 A 20040914; US 57288806 A 20060320