

Title (en)

AN IMAGE GUIDE AND METHOD FOR SUB-MICRON IMAGING AND PICOSECOND TIMING

Title (de)

BILDLEITER UND VORRICHTUNG ZUM ABBILDEN IM SUBMIKROBEREICH UND ERFASSEN IM PIKOSEKUNDENBEREICH

Title (fr)

PROCEDE ET GUIDE-IMAGE PERMETTANT DE FORMER DES IMAGES DE LA TAILLE DU SOUS-MICRON PENDANT UNE DUREE DE L'ORDRE DE LA PICOSECONDE

Publication

EP 1159602 A1 20011205 (EN)

Application

EP 00913889 A 20000309

Priority

- US 0006344 W 20000309
- US 26472999 A 19990309

Abstract (en)

[origin: WO0054033A1] The present invention is an image guide which has applications in such areas as endoscopy and industrial imaging. This invention utilizes gradient-index optical fiber in order to produce an image guide with improved performance characteristics. These improved performance characteristics include increased brightness, enhanced resolution, greater flexibility, and smaller diameter. The subject invention also pertains to a method and instrumentation for in vivo micro- imaging of structure and function at the subcellular level. Different immobilization methods for the preparation of a variety of biosensor probes can be utilized for attachment to the subject probes.

IPC 1-7

G01N 21/64; **G01N 21/77**

IPC 8 full level

G01N 21/64 (2006.01); **G01N 21/77** (2006.01)

CPC (source: EP)

A61B 1/00096 (2013.01); **A61B 1/00103** (2013.01); **A61B 1/0011** (2013.01); **A61B 1/00167** (2013.01); **A61B 1/0017** (2013.01); **A61B 1/3137** (2013.01); **A61B 5/0071** (2013.01); **A61B 5/0084** (2013.01); **A61B 5/6848** (2013.01); **G01N 21/6456** (2013.01); **G01N 21/7703** (2013.01); **A61B 1/042** (2013.01); **A61B 1/043** (2013.01); **G01N 2021/6484** (2013.01)

Citation (search report)

See references of WO 0054033A1

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 0054033 A1 20000914; AU 3524900 A 20000928; CA 2358558 A1 20000914; EP 1159602 A1 20011205

DOCDB simple family (application)

US 0006344 W 20000309; AU 3524900 A 20000309; CA 2358558 A 20000309; EP 00913889 A 20000309