

Title (en)
MULTIPLE LAYER CONFOCAL INTERFERENCE MICROSCOPY USING WAVENUMBER DOMAIN REFLECTOMETRY AND BACKGROUND AMPLITUDE REDUCTION AND COMPENSATION

Title (de)
MEHRSCICHT-KONFOKALE INTERFERENZMIKROSKOPIE MIT WELLENZAHL-DOMAIN-REFLEKTOMETRIE UND AMPLITUDENREDUKTION UND KOMPENSATION

Title (fr)
MICROSCOPIE CONFOCALE D'INTERFERENCES A COUCHES MULTIPLES BASEE SUR LA REFLECTOMETRIE A DOMAINE DE NOMBRE D'ONDES ET SUR LA REDUCTION ET LA COMPENSATION D'AMPLITUDE D'ARRIERE-PLAN

Publication
EP 1161654 A1 20011212 (EN)

Application
EP 00918006 A 20000316

Priority
• US 0006914 W 20000316
• US 12505799 P 19990318

Abstract (en)
[origin: WO0055572A1] An in-focus image of an information-bearing region within and/or on a substance is discriminated from an out-of focus image so as to reduce errors in image information of the substance by producing a probe beam and a reference beam from a wideband point source (90a), producing antisymmetric spatial properties in the reference beam (83), converting the probe beam (81b) to a beam focused to a line in the region, producing antisymmetric spatial properties in the in-focus return probe beam.

IPC 1-7
G01B 9/02

IPC 8 full level
G01B 9/02 (2006.01); **G01B 9/04** (2006.01); **G01M 11/00** (2006.01); **G01N 21/956** (2006.01); **G02B 21/00** (2006.01); **G02B 21/14** (2006.01); **G11B 7/005** (2006.01); **G11B 7/0065** (2006.01); **G11B 7/14** (2006.01)

CPC (source: EP KR)
G01B 9/02 (2013.01 - KR); **G01B 9/02027** (2013.01 - EP); **G01B 9/02042** (2013.01 - EP); **G01B 9/04** (2013.01 - EP); **G02B 21/0056** (2013.01 - EP); **G02B 21/006** (2013.01 - EP); **G02B 21/008** (2013.01 - EP); **G11B 7/005** (2013.01 - EP); **G11B 7/14** (2013.01 - EP)

Cited by
CN106289090A

Designated contracting state (EPC)
CH DE FR GB LI NL SE

DOCDB simple family (publication)
WO 0055572 A1 20000921; CN 1351705 A 20020529; EP 1161654 A1 20011212; EP 1161654 A4 20060927; JP 2002539494 A 20021119; KR 20010083041 A 20010831; KR 20020034988 A 20020509

DOCDB simple family (application)
US 0006914 W 20000316; CN 00807026 A 20000316; EP 00918006 A 20000316; JP 2000605157 A 20000316; KR 20007013645 A 20001202; KR 20017011704 A 20010914