Title (en)

MULTIPLE LAYER CONFOCAL INTERFERENCE MICROSCOPY USING WAVENUMBER DOMAIN REFLECTOMETRY AND BACKGROUND AMPLITUDE REDUCTION AND COMPENSATION

Title (de)

MEHRSCHICHT-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

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- 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)

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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)

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