

Title (en)

METHOD FOR LASER SCANNING MICROSCOPY AND BEAM COMBINER

Title (de)

VERFAHREN ZUR LASER-SCANNING-MIKROSKOPIE UND STRAHLVEREINIGER

Title (fr)

PROCÉDÉ DE MICROSCOPIE À BALAYAGE LASER ET CONCENTRATEUR DE FAISCEAUX

Publication

EP 2047313 A1 20090415 (DE)

Application

EP 07786280 A 20070724

Priority

- EP 2007006549 W 20070724
- DE 102006034909 A 20060728

Abstract (en)

[origin: WO2008012057A1] The invention relates to a method for laser scanning microscopy, said method being characterised by the use of clad telecommunication fibre multiplexers during the beam combination of a plurality of lasers of different wavelengths and the common injection thereof into a laser scanning microscope. The invention also relates to a corresponding beam combiner. Advantageously, guiding elements for optical wave guides extend out of a clad component, and different lasers can be coupled to said guiding elements, preferably by means of optical wave guides.

IPC 8 full level

G02B 21/00 (2006.01)

CPC (source: EP US)

G01N 21/6458 (2013.01 - EP US); **G02B 21/002** (2013.01 - EP US)

Citation (search report)

See references of WO 2008012057A1

Citation (examination)

- DE 19633185 A1 19971023 - LEICA LASERTECHNIK [DE]
- US 2001028031 A1 20011011 - ENGELHARDT JOHANN [DE], et al
- US 2006017001 A1 20060126 - DONDEERS PAUL [CA], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006034909 A1 20080131; EP 2047313 A1 20090415; US 2009303584 A1 20091210; WO 2008012057 A1 20080131

DOCDB simple family (application)

DE 102006034909 A 20060728; EP 07786280 A 20070724; EP 2007006549 W 20070724; US 37538707 A 20070724