

Title (en)

OPTICAL SYSTEM WITH BEAM PROPAGATION EXTENSION

Title (de)

OPTISCHES SYSTEM MIT STRAHLAUSBREITUNGSERWEITERUNG

Title (fr)

SYSTEME OPTIQUE A EXTENSION DE PROPAGATION DE FAISCEAU

Publication

EP 1797413 A1 20070620 (FR)

Application

EP 05810795 A 20051006

Priority

- FR 2005050821 W 20051006
- FR 0452298 A 20041007

Abstract (en)

[origin: WO2006037932A1] The invention concerns an optical system with optical beam propagation extension (21) comprising an optical beam input and output. The system comprises at least two beam reflecting optical elements (22, 23) configured to extend the propagation of the beam by reflection on the reflection elements, the optical system also comprising at least one beam-transmitting optical element (20) adapted to be traversed at least twice by said optical beam along different directions during its propagation in the optical system, the transmitting optical element providing an optical transformation of the beam at each passage so as to correct its divergence.

IPC 8 full level

G01N 21/35 (2006.01); **G02B 17/02** (2006.01); **G02B 27/00** (2006.01)

CPC (source: EP US)

G01N 21/031 (2013.01 - EP US); **G02B 17/02** (2013.01 - EP US); **G02B 27/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2006037932A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2876461 A1 20060414; **FR 2876461 B1 20061229**; EP 1797413 A1 20070620; US 2008088947 A1 20080417; US 7554738 B2 20090630; WO 2006037932 A1 20060413

DOCDB simple family (application)

FR 0452298 A 20041007; EP 05810795 A 20051006; FR 2005050821 W 20051006; US 57684505 A 20051006