

Title (en)

DIODE LASER HAVING A BEAM-FORMING DEVICE

Title (de)

DIODENLASER MIT STRAHLFORMUNGSEINRICHTUNG

Title (fr)

DIODE LASER AVEC MODULE DE FORMATION DE RAYON

Publication

EP 2195699 A1 20100616 (DE)

Application

EP 08840177 A 20080923

Priority

- EP 2008062656 W 20080923
- DE 102007048606 A 20071010

Abstract (en)

[origin: WO2009049997A1] The invention relates to a diode laser (34) having a beam-forming device, wherein multiple functions are combined in a collimating and focusing lens (68). In this manner the installation space requirement, production costs, and installation expense are significantly reduced.

IPC 8 full level

G02B 27/09 (2006.01); **F02P 23/04** (2006.01); **G02B 3/00** (2006.01)

CPC (source: EP US)

F02P 23/04 (2013.01 - EP US); **G02B 3/0006** (2013.01 - EP US); **G02B 19/0014** (2013.01 - EP US); **G02B 19/0057** (2013.01 - EP US);
G02B 27/0961 (2013.01 - EP US)

Citation (search report)

See references of WO 2009049997A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007048606 A1 20090416; EP 2195699 A1 20100616; JP 2011501879 A 20110113; US 2010309558 A1 20101209;
WO 2009049997 A1 20090423

DOCDB simple family (application)

DE 102007048606 A 20071010; EP 08840177 A 20080923; EP 2008062656 W 20080923; JP 2010528348 A 20080923;
US 73405908 A 20080923