

Title (en)

LASER-INDUCED SPARK IGNITION FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

LASERINDUZIERTE FREMDZÜNDUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

ALLUMAGE COMMANDÉ, INDUIT PAR LASER, POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 2358991 A1 20110824 (DE)

Application

EP 09752835 A 20091118

Priority

- EP 2009065364 W 20091118
- DE 102008043961 A 20081121

Abstract (en)

[origin: WO2010057904A1] A laser ignition device is proposed for an internal combustion engine comprising an ignition laser (26), wherein an orifice (74) is mounted in front of a combustion chamber window (58).

IPC 8 full level

F02P 23/04 (2006.01); **H01S 3/034** (2006.01)

CPC (source: EP US)

F02P 23/04 (2013.01 - EP US)

Citation (search report)

See references of WO 2010057904A1

Citation (examination)

- WO 2005028856 A1 20050331 - AVL LIST GMBH [AT], et al
- DE 3736442 A1 19880526 - FREIBERG BRENNSTOFFINST [DD]
- JP S5588074 U 19800618

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102008043961 A 20081121; CN 200980146404 A 20091118; EP 09752835 A 20091118; EP 2009065364 W 20091118; JP 2011536846 A 20091118; JP 2013222308 A 20131025; US 200913129052 A 20091118