

Title (en)
Combustion engine

Title (de)
Verbrennungsmotor

Title (fr)
Moteur à combustion

Publication
EP 1329631 A3 20031022 (DE)

Application
EP 03000165 A 20030107

Priority
AT 1002002 A 20020122

Abstract (en)
[origin: EP1329631A2] The engine has a cylinder, in which combustion of a homogeneous air/fuel mixture compressed by a piston is initiated by a time-controlled external ignition. The air/fuel ratio in a combustion chamber is greater than 1.9. The time-controlled ignition is provided by a laser light source (10), an optical transmission apparatus and a coupling optic (12).

IPC 1-7
F02P 23/04

IPC 8 full level
F02P 23/04 (2006.01); **F02B 1/12** (2006.01); **F02D 41/30** (2006.01)

CPC (source: EP US)
F02P 23/04 (2013.01 - EP US); **F02B 1/12** (2013.01 - EP US); **F02D 41/3041** (2013.01 - EP US)

Citation (search report)
• [X] DE 3400034 A1 19850711 - SCHICK JOACHIM DIPL PHYS, et al
• [Y] US 6053140 A 20000425 - FEICHTINGER GERHARD [AT], et al
• [Y] EP 1063427 A2 20001227 - HITACHI LTD [JP]
• [A] AT 2623 U1 19990125 - AVL LIST GMBH [AT]
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)

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DE102006000205B4; EP1693566A3; EP2072803A3; DE102005042865A1; DE102006018973A1; DE102006005402B4; DE102007015036B4; DE102007015036A1; EP1441124A3; US9133813B2; WO2011131437A3; WO2008119508A3; US7231897B2; US8181617B2; WO2010007066A1; WO2009040177A1

Designated contracting state (EPC)
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