

Title (en)
INJECTOR FOR INTERNAL COMBUSTION ENGINES

Title (de)
EINSPRITZDÜSE FÜR BRENNKRAFTMASCHINEN

Title (fr)
INJECTEUR POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 1636481 A1 20060322 (DE)

Application
EP 04729038 A 20040423

Priority
• DE 2004000847 W 20040423
• DE 10326043 A 20030610

Abstract (en)
[origin: WO2004111430A1] The invention relates to an injector (1) for an internal combustion engine, said injector comprising first and second injection holes (5, 6) in the injector body, which can be controlled by means of a first injector needle (8) and a second injector needle (15) coaxially guided therein. In order to enable a compact construction for said injector (1), a first control chamber (25) is provided, said chamber being radially delimited on the outside by a control chamber bushing (29) separating the first control chamber (25) from a high pressure chamber (32), being guided in a first drive piston (24) that is drivingly coupled to the first injector needle (8) and being prestressed in the direction of opening (19) of the first injector needle (8), wherein the high pressure chamber (32) communicates with a supply line (11) which delivers high-pressurized fuel to the injection holes (5, 6).

IPC 1-7
F02M 45/08; **F02M 47/02**

IPC 8 full level
F02M 45/08 (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 45/086 (2013.01); **F02M 47/027** (2013.01); **F02M 2200/46** (2013.01)

Citation (search report)
See references of WO 2004111430A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 10326043 A1 20041230; EP 1636481 A1 20060322; WO 2004111430 A1 20041223

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DE 10326043 A 20030610; DE 2004000847 W 20040423; EP 04729038 A 20040423