

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzventil

Title (fr)
Injecteur de carburant

Publication
EP 1033488 A3 20020306 (EN)

Application
EP 00301797 A 20000306

Priority
• GB 9904938 A 19990304
• GB 9911145 A 19990514

Abstract (en)
[origin: EP1033488A2] A fuel injector comprising a nozzle body (10) provided with a first bore (11) and defining a first seating (12), a valve member (13) engageable with the first seating (12) to control fuel flow from the first bore (11) towards an outlet opening (14) located downstream of the first seating (12), the valve member (13) being provided with a second bore (15) defining a second seating (17). A valve needle (16) is slidable within the second bore (15) and is engageable with the second seating (17) to control fuel flow from the second bore (15) towards a second outlet opening (18,28) provided in the valve member (13). The fuel injector also includes a transmission arrangement whereby movement of the valve needle (16) beyond a predetermined position is transmitted to the valve member (13). <IMAGE>

IPC 1-7
F02M 45/08; **F02M 47/02**; **F02M 61/04**; **F02M 61/10**

IPC 8 full level
F02M 45/08 (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)
F02M 45/086 (2013.01); **F02M 61/10** (2013.01); **F02M 61/163** (2013.01); **F02M 61/18** (2013.01)

Citation (search report)
• [X] DD 102198 A1 19731205
• [A] DE 1284687 B 19681205 - BOSCH GMBH ROBERT
• [A] US 4339080 A 19820713 - KOPSE ODON
• [A] US 4202500 A 19800513 - KEICZEK HUBERT [DE]

Cited by
EP1498601A1; CN109812364A; DE102005001284A1; WO2007017335A1; WO03040543A1; WO2007104366A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1033488 A2 20000906; **EP 1033488 A3 20020306**; **EP 1033488 B1 20051019**; DE 60023203 D1 20060302; DE 60023203 T2 20060824

DOCDB simple family (application)
EP 00301797 A 20000306; DE 60023203 T 20000306