

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzventil

Title (fr)
Injecteur de combustible

Publication
EP 1063418 A2 20001227 (EN)

Application
EP 00305223 A 20000620

Priority
GB 9914792 A 19990625

Abstract (en)
A fuel injector comprising a valve needle (12) slidable within a bore (11), a surface associated with the valve needle (12) being exposed to the fuel pressure within a control chamber (20), and a valve arrangement (23, 26) controlling the fuel pressure within the control chamber (20), the valve arrangement comprising an inlet fluid pressure actuatable valve (23) controlling communication between a supply passage (16) and the control chamber (20), and an outlet fluid pressure actuatable valve (26) controlling communication between the control chamber (20) and a drain chamber (29), the inlet and outlet fluid pressure actuatable valves (23, 26) being operable under the influence of fluid pressure within a common pressure chamber (35). <IMAGE>

IPC 1-7
F02M 47/02; **F02M 59/46**

IPC 8 full level
F02M 47/02 (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0033** (2013.01); **F02M 63/008** (2013.01); **F02M 2200/703** (2013.01)

Cited by
EP1245822A3; US6889918B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1063418 A2 20001227; **EP 1063418 A3 20021211**; **EP 1063418 B1 20031210**; DE 60007030 D1 20040122; DE 60007030 T2 20050105; GB 9914792 D0 19990825

DOCDB simple family (application)
EP 00305223 A 20000620; DE 60007030 T 20000620; GB 9914792 A 19990625