

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1003964 A1 20000531 (DE)

Application
EP 98966197 A 19981207

Priority
• DE 9803581 W 19981207
• DE 19818200 A 19980423

Abstract (en)
[origin: DE19818200A1] The valve has a valve body (1) held by a nut and containing a valve member (11) in a boring (9) with a radially widened compression chamber (20) which has an input channel (37) running into it. The valve has a seal element (40), moved axially by the valve member stroke. The seal element shuts off the compression cavity during injection pauses and opens it during injections.

IPC 1-7
F02M 45/12; **F02M 61/10**; **F02M 61/16**; **F02M 63/02**

IPC 8 full level
F02M 45/12 (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)
F02M 45/12 (2013.01); **F02M 61/10** (2013.01); **F02M 61/16** (2013.01); **F02M 63/0205** (2013.01)

Citation (search report)
See references of WO 9956015A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 19818200 A1 19991028; DE 59811392 D1 20040617; EP 1003964 A1 20000531; EP 1003964 B1 20040512; JP 2002507269 A 20020305; WO 9956015 A1 19991104

DOCDB simple family (application)
DE 19818200 A 19980423; DE 59811392 T 19981207; DE 9803581 W 19981207; EP 98966197 A 19981207; JP 55347799 A 19981207