

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'ADMISSION DE CARBURANT

Publication
EP 1105641 B1 20080213 (DE)

Application
EP 00940207 A 20000518

Priority
• DE 0001593 W 20000518
• DE 19927899 A 19990618

Abstract (en)
[origin: DE19927899A1] The fuel injection valve has a valve needle (5) displaced axially along the valve longitudinal axis (2), for controlling a valve closure element (7) cooperating with a valve seat (18), with a guide disc (33) in front of the valve seat provided with an opening (43), provided around its periphery with guide regions for the valve closure element in alternation with fuel flow regions, which lie along a circle with a greater diameter than the circle defined by the guide regions.

IPC 8 full level
F02M 61/12 (2006.01); **F02M 51/06** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)
F02M 51/061 (2013.01 - EP US); **F02M 61/12** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19927899 A1 20001221; DE 50014959 D1 20080327; EP 1105641 A1 20010613; EP 1105641 B1 20080213; JP 2003502576 A 20030121; US 6575428 B1 20030610; WO 0079123 A1 20001228

DOCDB simple family (application)
DE 19927899 A 19990618; DE 0001593 W 20000518; DE 50014959 T 20000518; EP 00940207 A 20000518; JP 2001505449 A 20000518; US 76326901 A 20010419