

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzventil

Title (fr)
Injecteur de carburant

Publication
EP 1598550 B1 20070822 (DE)

Application
EP 05101367 A 20050223

Priority
DE 102004024534 A 20040518

Abstract (en)
[origin: EP1598550A1] The fuel injection valve (1) has an actuator connected to a valve needle (3) having a valve closing body (4) acting with a valve seat surface (6). There is a spray aperture (7) in the valve seat body (5). The fuel flows through a bifurcation (39), in the region of which there is at least one by diverting element (40) having a diverting surface (42) directing the fuel towards the bifurcation.

IPC 8 full level
F02M 61/18 (2006.01); **F02M 51/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 51/0671 (2013.01); **F02M 51/0685** (2013.01); **F02M 61/1806** (2013.01); **F02M 61/1873** (2013.01); **F02M 2200/306** (2013.01)

Cited by
CN109642534A; US11041471B2; US8720802B2; WO2018033460A1; WO2006128756A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1598550 A1 20051123; EP 1598550 B1 20070822; DE 102004024534 A1 20051215; DE 502005001272 D1 20071004

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