

Title (en)

Fuel injection valve for an internal combustion engine

Title (de)

Brennstoffeinspritzventil für eine Brennkraftmaschine

Title (fr)

Soupape d'injection de combustible pour un moteur à combustion interne

Publication

**EP 0730091 B1 20000209 (DE)**

Application

**EP 95117473 A 19951107**

Priority

DE 19502915 A 19950131

Abstract (en)

[origin: EP0730091A2] The valve closure ball (8) is lifted from its seating (9) so that a stream (15) of fuel is directed through a metering aperture (12) in an injector plate (13) towards the deflector (22). The angled deflecting surface (21) features on its axis of symmetry (25) a recess (26) from which two grooves (27) diverge. The shape of the recess and grooves determines the number and direction of the jets (14) of fuel entering the combustion chamber.

IPC 1-7

**F02M 61/18**; **F02M 57/00**; **F02M 61/16**; **F02M 69/04**

IPC 8 full level

**F02M 57/00** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01); **F02M 69/04** (2006.01)

CPC (source: EP US)

**F02M 61/16** (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 61/1853** (2013.01 - EP US); **F02M 61/188** (2013.01 - EP US);  
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DOCDB simple family (publication)

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EP 0730091 A3 19961002; EP 0730091 B1 20000209; JP H08232815 A 19960910; US 5725158 A 19980310

DOCDB simple family (application)

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