

Title (en)

Fuel injection apparatus for an internal combustion engine

Title (de)

Kraftstoffspritzeinrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif d'injection de carburant pour un moteur à combustion interne

Publication

EP 1312792 B1 20051228 (DE)

Application

EP 02022358 A 20021008

Priority

DE 10155973 A 20011114

Abstract (en)

[origin: EP1312792A2] The control valve (58) is located on the fuel injection valve (12). A storage chamber (56) is provided at the fuel injection valve, to act as a relief chamber. With the valve (58) open, this allows fuel to be stored under controlled pressure.

IPC 1-7

F02M 59/36; **F02M 59/44**; **F02M 55/04**; **F02M 47/02**

IPC 8 full level

F02M 47/02 (2006.01); **F02M 55/04** (2006.01); **F02M 59/36** (2006.01); **F02M 59/44** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 47/02 (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 55/04** (2013.01 - EP US); **F02M 59/366** (2013.01 - EP US); **F02M 59/44** (2013.01 - EP US); **F02M 61/205** (2013.01 - EP US); **F02M 2200/40** (2013.01 - EP US)

Cited by

WO2007059906A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 1312792 A2 20030521; **EP 1312792 A3 20040901**; **EP 1312792 B1 20051228**; DE 10155973 A1 20030522; DE 50205426 D1 20060202; US 2003111053 A1 20030619; US 6763809 B2 20040720

DOCDB simple family (application)

EP 02022358 A 20021008; DE 10155973 A 20011114; DE 50205426 T 20021008; US 29254702 A 20021113