

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1309795 A1 20030514 (DE)

Application
EP 01955272 A 20010720

Priority
• DE 0102764 W 20010720
• DE 10038300 A 20000805

Abstract (en)
[origin: WO0212717A1] The invention relates to a fuel injection valve (1) which can be introduced into a receiving bore (39) of a cylinder head (1b) of an internal combustion engine. Said fuel injection valve has a sealing ring (1a) which is situated peripherally around the fuel injection valve (1) in the receiving bore (39). Said sealing ring (1a) has a partial sphere-shaped contact surface (40) to the fuel injection valve (1) which rests on a corresponding partial sphere-shaped counter-surface (40a) of said fuel injection valve (1).

IPC 1-7
F02M 61/14; F02M 51/06; F02M 61/16

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR US)
F02M 51/0671 (2013.01 - EP US); **F02M 61/14** (2013.01 - EP KR US); **F02M 61/165** (2013.01 - EP US); **F02M 2200/858** (2013.01 - EP US)

Citation (search report)
See references of WO 0212717A1

Cited by
WO2015126548A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0212717 A1 20020214; BR 0107072 A 20020625; CN 1237267 C 20060118; CN 1386168 A 20021218; CZ 20021160 A3 20030917;
DE 10038300 A1 20020214; DE 50108253 D1 20060105; EP 1309795 A1 20030514; EP 1309795 B1 20051130; JP 2004506135 A 20040226;
JP 5231705 B2 20130710; KR 20020037058 A 20020517; RU 2270930 C2 20060227; US 2002179057 A1 20021205; US 6615802 B2 20030909

DOCDB simple family (application)
DE 0102764 W 20010720; BR 0107072 A 20010720; CN 01802309 A 20010720; CZ 20021160 A 20010720; DE 10038300 A 20000805;
DE 50108253 T 20010720; EP 01955272 A 20010720; JP 2002517973 A 20010720; KR 20027004288 A 20020403; RU 2002110096 A 20010720;
US 8991402 A 20020729