

Title (en)
FUEL INJECTION SYSTEM

Title (de)
BRENNSTOFFEINSPRITZANLAGE

Title (fr)
SYSTEME D'INJECTION DE CARBURANT

Publication
EP 1448888 A1 20040825 (DE)

Application
EP 02803737 A 20020823

Priority
• DE 0203089 W 20020823
• DE 10157010 A 20011121

Abstract (en)
[origin: WO03046370A1] The invention relates to a fuel injection system (1) for injecting fuel into an internal combustion engine. Said fuel injection device comprises at least one fuel injection valve (2) and one fuel distribution line (4) and a corrugated bellows tube (3) linked with an inlet section (5, 16) of the fuel injection valve (2). At least in some sections a deformation energy-absorbing elastomer material (15, 22) rests on the corrugated bellows tube (3) under a prestress.

IPC 1-7
F02M 69/46; **F02M 55/02**

IPC 8 full level
F02M 55/02 (2006.01); **F02M 69/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)
F02M 55/02 (2013.01 - EP US); **F02M 55/025** (2013.01 - EP US); **F02M 61/14** (2013.01 - EP US); **F02M 69/46** (2013.01 - KR); **F02M 69/462** (2013.01 - EP US); **F02M 69/465** (2013.01 - EP US); **F02M 2200/306** (2013.01 - EP US); **F02M 2200/856** (2013.01 - EP US); **F02M 2200/858** (2013.01 - EP US)

Citation (search report)
See references of WO 03046370A1

Cited by
US7628829B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03046370 A1 20030605; CN 100532824 C 20090826; CN 1481474 A 20040310; DE 10157010 A1 20030605; EP 1448888 A1 20040825; JP 2005510659 A 20050421; JP 4243193 B2 20090325; KR 20040062964 A 20040709; US 2004079339 A1 20040429; US 6877484 B2 20050412

DOCDB simple family (application)
DE 0203089 W 20020823; CN 02803353 A 20020823; DE 10157010 A 20011121; EP 02803737 A 20020823; JP 2003547781 A 20020823; KR 20047007681 A 20020823; US 46596103 A 20031209