

Title (en)
FUEL-INJECTION SYSTEM

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)
SYSTEME D'INJECTION DE CARBURANT

Publication
EP 1751423 A1 20070214 (DE)

Application
EP 05729602 A 20050301

Priority
• EP 2005050884 W 20050301
• DE 102004024528 A 20040518

Abstract (en)
[origin: WO2005113976A1] The invention relates to a fuel-injection system in an internal combustion engine, comprising at least one fuel injector (17), which is connected to a fuel supply line (13) via a fuel inlet (23), said line being connected to a source (12) of fuel under high-pressure. The fuel injector (17) comprises a valve control unit (18) and a nozzle unit (19). A fuel conduit (24) that is connected to the fuel supply line (13) leads to the nozzle unit. The fuel conduit (24) is equipped with a non-return valve (30), which blocks the fuel flow in the direction of the fuel supply line.

IPC 8 full level
F02M 61/16 (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 61/16 (2013.01 - EP US); **F02M 61/165** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F02M 61/04** (2013.01 - EP US); **F02M 2200/315** (2013.01 - EP US)

Citation (search report)
See references of WO 2005113976A1

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
WO 2005113976 A1 20051201; DE 102004024528 A1 20051215; EP 1751423 A1 20070214; EP 1751423 B1 20111228; US 2007221175 A1 20070927

DOCDB simple family (application)
EP 2005050884 W 20050301; DE 102004024528 A 20040518; EP 05729602 A 20050301; US 57925505 A 20050301