

Title (en)
Device for pumping fuel

Title (de)
Vorrichtung zum Fördern von Kraftstoff

Title (fr)
Dispositif pour refouler du carburant

Publication
EP 1607635 B1 20070808 (DE)

Application
EP 05104940 A 20050607

Priority
• DE 102004029527 A 20040618
• DE 102004047782 A 20041001

Abstract (en)
[origin: EP1607635A1] The injector pump (1) has two drive air nozzles (2) side-by-side in a common nozzle body (1.2) in a common cone (31,33). The air and fuel enter two separate mixing pipes (3) side-by-side. On leaving the mixing pipes the air-fuel mixture enters a diffuser cone (25). Fuel is drawn from a tank (8) into a space (22) between a cylindrical entrance portion (21) and the nozzle body. The air supply has a preliminary filter (18), a pump (15) driven by the internal combustion engine (16), and a main filter (19). The air flows through a pressure control valve (11).

IPC 8 full level
F04F 5/46 (2006.01)

CPC (source: EP US)
F04F 5/466 (2013.01 - EP US); **Y10T 137/86075** (2015.04 - EP US); **Y10T 137/87265** (2015.04 - EP US)

Cited by
CN116379020A; CN108916127A

Designated contracting state (EPC)
CZ DE FR GB IT

DOCDB simple family (publication)
EP 1607635 A1 20051221; EP 1607635 B1 20070808; DE 102004047782 A1 20060105; DE 502005001162 D1 20070920; US 2005279414 A1 20051222; US 7080632 B2 20060725

DOCDB simple family (application)
EP 05104940 A 20050607; DE 102004047782 A 20041001; DE 502005001162 T 20050607; US 15568505 A 20050620