

Title (en)
FUEL DOSAGE DEVICE

Title (de)
KRAFTSTOFF-DOSIERVORRICHTUNG

Title (fr)
DISPOSITIF DE DOSAGE DE CARBURANT

Publication
EP 1454052 B1 20050413 (DE)

Application
EP 02790469 A 20021204

Priority
• DE 10161586 A 20011214
• EP 0213747 W 20021204

Abstract (en)
[origin: WO03052257A1] The invention relates to a fuel dosage device comprising a fuel chamber (5), a fuel inlet (6) which can be opened and closed and leads to the fuel chamber (5), and at least one fuel outlet (14) leading from the fuel chamber to a suction channel (16) of an internal combustion engine. Part of a wall of the fuel chamber (5) consists of a first element (12) which can be moved according to a pressure difference between a pressure in the fuel chamber (5) and an ambient air pressure, said element being coupled to a closing element (7, 8) for opening and closing the fuel inlet (6). Said fuel dosage device enables a quantity of fuel, which is supplied to the suction channel (16) for a pre-defined operating position of the internal combustion engine, to be automatically regulated according to the ambient air pressure.

IPC 1-7
F02M 17/04

IPC 8 full level
F02M 17/04 (2006.01)

CPC (source: EP US)
F02M 17/04 (2013.01 - EP US)

Designated contracting state (EPC)
CH DE GB IE LI SE

DOCDB simple family (publication)
WO 03052257 A1 20030626; DE 10161586 A1 20030703; DE 10161586 B4 20040729; DE 50202813 D1 20050519; EP 1454052 A1 20040908; EP 1454052 B1 20050413; EP 1454052 B9 20050720; JP 2005513323 A 20050512; JP 2008248896 A 20081016; JP 4204474 B2 20090107; US 2004244775 A1 20041209; US 7040287 B2 20060509

DOCDB simple family (application)
EP 0213747 W 20021204; DE 10161586 A 20011214; DE 50202813 T 20021204; EP 02790469 A 20021204; JP 2003553116 A 20021204; JP 2008188166 A 20080722; US 48926704 A 20040309