

Title (en)
VALVE FOR THE INTRODUCTION OF METERED DOSES OF VOLATILIZED FUEL

Title (de)
VENTIL ZUM DOSIERTEN EINLEITEN VON VERFLÜCHTIGTEM BRENNSTOFF

Title (fr)
SOUPAPE D'ADMISSION D'UNE DOSE DE CARBURANT VOLATILISE

Publication
EP 1056945 B1 20041222 (DE)

Application
EP 99927656 A 19990413

Priority
• DE 9901104 W 19990413
• DE 19839476 A 19980829

Abstract (en)
[origin: DE19839476A1] The invention relates to a valve for the introduction of metered doses of volatilized fuel which has evaporated from a fuel tank of an internal combustion engine, into said internal combustion engine. The valve comprises a housing having an inlet connector (13) for connection to a fuel tank or to an adsorption filter for volatilized fuel positioned downstream from the fuel tank; an outflow connector (10) for connection to the internal combustion engine; and a valve member (36), which is arranged between the inlet connector and outflow connector inside the valve housing, actuated by an electromagnet having a magnetic core and cooperates with a valve seat embodied at the level of a valve seat body (31). The invention is characterized in that the valve housing comprises a first housing part (8) which on the inlet side is closed off by a protective screen (70) and on which the electromagnet (12), the valve member (36), the valve seat body (31) and the outflow connector (10) are configured, as well as a second housing part (9) on which the inflow connector (13) is positioned and which can be fixed to the first housing part.

IPC 1-7
F02M 25/08; **F16K 31/06**

IPC 8 full level
B60K 15/077 (2006.01); **F02M 25/08** (2006.01); **F02M 37/00** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP KR US)
F02M 25/08 (2013.01 - KR); **F02M 25/0836** (2013.01 - EP US); **Y10T 137/8122** (2015.04 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19839476 A1 20000302; DE 59911329 D1 20050127; EP 1056945 A1 20001206; EP 1056945 B1 20041222; JP 2002523680 A 20020730; KR 20010031422 A 20010416; US 6253789 B1 20010703; WO 0012889 A1 20000309

DOCDB simple family (application)
DE 19839476 A 19980829; DE 59911329 T 19990413; DE 9901104 W 19990413; EP 99927656 A 19990413; JP 2000567842 A 19990413; KR 20007004451 A 20000425; US 53041700 A 20000605