

Title (en)  
INTERNAL COMBUSTION ENGINE FUEL INJECTION VALVE

Title (de)  
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT POUR MOTEUR A COMBUSTION INTERNE

Publication  
**EP 1017938 B1 20031015 (DE)**

Application  
**EP 98966195 A 19981207**

Priority  
• DE 9803579 W 19981207  
• DE 19814501 A 19980401

Abstract (en)  
[origin: DE19814501A1] A fuel injection valve for internal combustion engines comprising a supporting member (1) which can be inserted into the engine casing and which can be deformed with a valve body that protrudes into the combustion chamber of an internal combustion engine, in addition to a fuel inlet duct (7) which is formed by a longitudinal bore hole (9) and an intersecting transversal bore hole (11) and provided with an inlet opening on a radial peripheral wall of the supporting member (1) which forms a lateral pressure connection (13) for a fuel supply line. A radial area of the peripheral wall surface of the supporting member (1) opposite the lateral pressure connection (13) has a flattened section (21).

IPC 1-7  
**F02M 55/02**; **F02M 55/00**; **F02M 61/16**

IPC 8 full level  
**F02M 55/00** (2006.01); **F02M 55/02** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
**F02M 55/005** (2013.01 - EP US); **F02M 55/02** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 19814501 A1 19991007**; DE 59809937 D1 20031120; EP 1017938 A1 20000712; EP 1017938 B1 20031015; JP 2002500727 A 20020108; US 6382186 B1 20020507; WO 9950553 A1 19991007

DOCDB simple family (application)  
**DE 19814501 A 19980401**; DE 59809937 T 19981207; DE 9803579 W 19981207; EP 98966195 A 19981207; JP 54869099 A 19981207; US 42492099 A 19991201