

Title (en)
FUEL INJECTION DEVICE

Title (de)
KRAFTSTOFFEINSPRITZEINRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION DE CARBURANT

Publication
EP 1121527 B1 20050420 (DE)

Application
EP 00958261 A 20000815

Priority
• DE 0002785 W 20000815
• DE 19938169 A 19990816

Abstract (en)
[origin: US6532938B1] A fuel injection system includes a pressure storage chamber and one injector assigned to each cylinder, which injector can be connected to the pressure storage chamber via a pressure line that includes a metering valve. Using a single 2/2-way valve as a metering valve per cylinder makes for a more-economical manufacture of a fuel system, especially for small engines. The fuel injection is done under pressure control.

IPC 1-7
F02M 63/00; **F02M 55/00**

IPC 8 full level
F02M 45/04 (2006.01); **F02M 47/00** (2006.01); **F02M 47/02** (2006.01); **F02M 55/00** (2006.01); **F02M 61/08** (2006.01); **F02M 61/18** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01); **F02M 63/06** (2006.01)

CPC (source: EP US)
F02M 45/04 (2013.01 - EP US); **F02M 55/002** (2013.01 - EP US); **F02M 61/08** (2013.01 - EP US); **F02M 61/205** (2013.01 - EP US); **F02M 63/0007** (2013.01 - EP US); **F02M 63/06** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6532938 B1 20030318; AT E293754 T1 20050515; DE 19938169 A1 20010301; DE 50010099 D1 20050525; EP 1121527 A1 20010808; EP 1121527 B1 20050420; JP 2003507623 A 20030225; WO 0112982 A1 20010222

DOCDB simple family (application)
US 80737401 A 20010521; AT 00958261 T 20000815; DE 0002785 W 20000815; DE 19938169 A 19990816; DE 50010099 T 20000815; EP 00958261 A 20000815; JP 2001517049 A 20000815