

Title (en)  
INJECTION VALVE

Title (de)  
EINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION

Publication  
**EP 0752060 B1 19990127 (DE)**

Application  
**EP 95913859 A 19950323**

Priority  
• DE 9500399 W 19950323  
• DE 4410283 A 19940324

Abstract (en)  
[origin: WO9525886A1] The valve needle (6) of an injection valve is controlled by a driving mechanism (34) that controls a control valve (14) by releasing the pressure in a chamber (11) located behind the valve needle (6). This chamber (11) communicates in a controllable manner by means of a control valve (14) with a return (RL) through at least one connecting channel (17, 32) designed as a throttle. The invention has applications in diesel common rail systems.

IPC 1-7  
**F02M 47/02**

IPC 8 full level  
**F02M 45/06** (2006.01); **F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01)

Cited by  
WO2011124045A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 9525886 A1 19950928**; DE 59504989 D1 19990311; EP 0752060 A1 19970108; EP 0752060 B1 19990127; JP H09510526 A 19971021

DOCDB simple family (application)  
**DE 9500399 W 19950323**; DE 59504989 T 19950323; EP 95913859 A 19950323; JP 52430395 A 19950323