

Title (en)
INJECTION VALVE

Title (de)
EINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION

Publication
EP 0752060 A1 19970108 (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)

Citation (search report)
See references of WO 9525886A1

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