

Title (en)
ELECTROMAGNETICALLY ACTUATED VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)
SOUPAPE A COMMANDE ELECTROMAGNETIQUE

Publication
EP 0925441 B1 20021030 (DE)

Application
EP 98928077 A 19980326

Priority
• DE 9800885 W 19980326
• DE 19730202 A 19970715

Abstract (en)
[origin: DE19730202A1] The invention relates to an electromagnetically actuated valve characterized in that it includes an axially moveable valve needle (6) which is formed by an armature (12), a valve closing body (13) and a connector piece (14) joining both parts. The tubular connector piece (14) has two longitudinally extended slots (50) which do not extend along the entire length of the connector piece(14) but which do extend over at least 75 % of the length thereof. Two elastic half- shells are located in the slotted area. The valve closing body (13) is secured to the non-slotted end of the connector piece (14). The valve is particularly suited for use in fuel injection systems of mixture compressing externally ignited internal combustion engines.

IPC 1-7
F02M 51/06; **F02M 61/16**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR US)
F02M 51/0682 (2013.01 - EP KR US); **F02M 61/168** (2013.01 - EP KR US); **Y10T 29/49423** (2015.01 - EP US)

Designated contracting state (EPC)
CH DE ES GB IT LI

DOCDB simple family (publication)
DE 19730202 A1 19990121; BR 9806201 A 20000215; CN 1095034 C 20021127; CN 1234852 A 19991110; DE 59806106 D1 20021205; EP 0925441 A1 19990630; EP 0925441 B1 20021030; ES 2187031 T3 20030516; JP 2001502400 A 20010220; KR 20000068545 A 20001125; US 2001015418 A1 20010823; US 6317978 B2 20011120; WO 9904158 A1 19990128

DOCDB simple family (application)
DE 19730202 A 19970715; BR 9806201 A 19980326; CN 98800980 A 19980326; DE 59806106 T 19980326; DE 9800885 W 19980326; EP 98928077 A 19980326; ES 98928077 T 19980326; JP 50606499 A 19980326; KR 19997002083 A 19990312; US 25489899 A 19990312