

Title (en)

Injection valve and compensator for an injection valve

Title (de)

EINSPRITZVENTIL UND AUSGLEICHSELEMENT FÜR EIN EINSRITZVENTIL

Title (fr)

Injecteur et compensateur pour un injecteur

Publication

EP 1731753 A1 20061213 (DE)

Application

EP 06114511 A 20060524

Priority

DE 102005025953 A 20050606

Abstract (en)

u The compensator (30) has a pot shaped body (32) with a pot base (34) and a recess. A piston (36) provided at an axially extending guide (41) of the piston has a clearance fit of the recess with the guide axially mobile in the recess of the body. A sealing element (44) is arranged on the base, being on the side of the guide. The sealing element couples the body with the piston. The body, the piston and the sealing element are hydraulically and or pneumatically provided as a closed system where the coupling of the sealing element with the body and or the piston is actuated. An independent claim is included for an injection valve.

IPC 8 full level

F02M 61/16 (2006.01)

CPC (source: EP US)

F02M 61/167 (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 51/0603** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US); **F02M 2200/705** (2013.01 - EP US); **F02M 2200/8061** (2013.01 - EP US)

Citation (applicant)

DE 10344061 A1 20050428 - SIEMENS AG [DE]

Citation (search report)

- [X] EP 1391608 A1 20040225 - SIEMENS VDO AUTOMOTIVE SPA [IT]
- [DX] WO 2005031152 A1 20050407 - SIEMENS AG [DE], et al
- [X] US 2002139863 A1 20021003 - LORRAINE JACK [US], et al
- [A] US 2004237519 A1 20041202 - SCHURZ WILLIBALD [DE]

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1731753 A1 20061213; **EP 1731753 B1 20100421**; DE 102005025953 A1 20061207; DE 502006006754 D1 20100602; US 2007028613 A1 20070208; US 7673811 B2 20100309

DOCDB simple family (application)

EP 06114511 A 20060524; DE 102005025953 A 20050606; DE 502006006754 T 20060524; US 44671906 A 20060605