

Title (en)

An injection valve with a new transmission group

Title (de)

Einspritzventil mit neuer Getriebegruppe

Title (fr)

Soupape d'injection avec un nouveau groupe de transmission

Publication

**EP 2602475 A1 20130612 (EN)**

Application

**EP 12187876 A 20121010**

Priority

TR 201110328 A 20111018

Abstract (en)

The subject matter invention is an injection valve (10) comprising a body (13); an actuator region (20); and a piston region (30), characterized by comprising at least one drive member (25) which exists in bedded form at a vicinity of said shell (23) and which provides the actuator region (20) to return to the initial position thereof; at least one head (311) which is provided at the first piston (31) and which has at least one recess (314) where the lower shoe (22) can seat; at least one placement part (316) where said head (311) can seat on the body (13); at least one expansion region (317) which is provided on the head (311) towards said placement part (316).

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 51/0603** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/21** (2013.01); **F02M 2200/701** (2013.01); **F02M 2200/703** (2013.01)

Citation (applicant)

- WO 2005050003 A1 20050602 - BOSCH GMBH ROBERT [DE], et al
- DE 19946835 A1 20010201 - BOSCH GMBH ROBERT [DE]
- DE 102009046355 A1 20110505 - BOSCH GMBH ROBERT [DE]
- EP 2031669 A1 20090304 - BOSCH GMBH ROBERT [DE]
- FR 2819021 A1 20020705 - DENSO CORP [JP]

Citation (search report)

- [Y] DE 10164284 A1 20020718 - DENSO CORP [JP]
- [Y] DE 102009045556 A1 20110414 - BOSCH GMBH ROBERT [DE]
- [A] DE 102009029489 A1 20110324 - BOSCH GMBH ROBERT [DE]
- [A] DE 102007006942 A1 20080814 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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