

Title (en)

FILTER ASSEMBLY FOR AN INJECTION VALVE, VALVE ASSEMBLY AND INJECTION VALVE

Title (de)

FILTERANORDNUNG FÜR EIN EINSPRITZVENTIL, VENTILANORDNUNG UND EINSPRITZVENTIL

Title (fr)

ENSEMBLE FILTRE POUR UNE SOUPAPE D'INJECTION, ENSEMBLE DE SOUPAPES ET SOUPAPE D'INJECTION

Publication

**EP 3279462 A1 20180207 (EN)**

Application

**EP 16182697 A 20160804**

Priority

EP 16182697 A 20160804

Abstract (en)

Filter assembly (33) for a fluid injection valve (1), the filter assembly (33) having a fluid inlet portion and a fluid outlet portion, wherein at least one flow path for fluid flow with a flow direction is formed between the fluid inlet portion and the fluid outlet portion, the filter assembly (33) comprising a filter sleeve (37) having a first part (39) and a second part (41), the first part (39) comprising a filter element (43) and the second part (41) being arranged downstream of the first part (39) with respect to the flow direction and forming a receptacle (35) for an upper part (31) of a calibration spring (15) of the fluid injection valve (1), wherein a circumferential side wall (45) of the receptacle (35) is arranged to surround the upper part (31) of the calibration spring (15).

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

**F02M 51/0682** (2013.01); **F02M 51/0685** (2013.01); **F02M 61/165** (2013.01); **F02M 61/168** (2013.01); **F02M 2200/50** (2013.01)

Citation (applicant)

US 6997404 B2 20060214 - RAO ARVIND M [US]

Citation (search report)

- [X] EP 2949917 A1 20151202 - CONTINENTAL AUTOMOTIVE GMBH [DE]
- [X] DE 102013225820 A1 20150618 - BOSCH GMBH ROBERT [DE]
- [X] DE 102007049963 A1 20090423 - BOSCH GMBH ROBERT [DE]

Cited by

FR3099211A1; WO2021013879A1

Designated contracting state (EPC)

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