

Title (en)
VALVE ASSEMBLY FOR AN INJECTION VALVE AND INJECTION VALVE FOR A COMBUSTION ENGINE

Title (de)
VENTILANORDNUNG FÜR EIN EINSPRITZVENTIL UND EINSPRITZVENTIL FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
ENSEMBLE DE VANNE POUR VANNE D'INJECTION DESTINÉE À UN MOTEUR À COMBUSTION

Publication
EP 3103999 A1 20161214 (EN)

Application
EP 15171767 A 20150612

Priority
EP 15171767 A 20150612

Abstract (en)
A valve assembly (1) is disclosed comprising a valve body (3) which has a central longitudinal axis (L) and comprises a cavity (5) with a lower cavity portion (7) and a fluid outlet portion (9) with a seal seat (11). It further comprises two or more flow passages (13) being arranged radially asymmetrical with respect to the longitudinal axis (L). The flow passages (13) are either arranged axially between the lower cavity portion (7) and the seal seat (11) and penetrate the valve body (3) from the lower cavity portion (7) towards the fluid outlet portion (9) upstream of the seal seat (11) or the valve assembly comprises a throttling element (15) which is arranged in the lower cavity portion (7) of the cavity (5) and axially spaced apart from the seal seat (11) and the flow passages (13) penetrate the throttling element (15).

IPC 8 full level
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CPC (source: EP)
F02M 61/08 (2013.01); **F02M 61/12** (2013.01); **F02M 61/18** (2013.01); **F02M 61/1826** (2013.01)

Citation (search report)

- [Y] US 6155499 A 20001205 - REMBOLD HELMUT [DE], et al
- [Y] DE 10108541 A1 20010906 - HITACHI LTD [JP], et al
- [A] EP 1531259 A1 20050518 - BOSCH GMBH ROBERT [DE]
- [A] EP 2698527 A1 20140219 - CONTINENTAL AUTOMOTIVE GMBH [DE]
- [A] US 2011215176 A1 20110908 - MEYER ANDREW E [US]

Cited by
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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

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