

Title (en)
Valve assembly for an injection valve and injection valve

Title (de)
Ventilanordnung für ein Einspritzventil und Einspritzventil

Title (fr)
Ensemble de soupape pour soupape d'injection et soupape d'injection

Publication
EP 2080893 A1 20090722 (EN)

Application
EP 08000959 A 20080118

Priority
EP 08000959 A 20080118

Abstract (en)
Valve assembly (24) for an injection valve (18), comprising a valve body (26) with a central longitudinal axis (L), an injection nozzle (28), and a sealing arrangement (30) being designed to sealingly couple the valve assembly (24) with a cylinder head (14) of a combustion engine (22). The sealing arrangement (30) comprises a first sealing element (32) being in one piece with the valve body (26) and being designed to be arranged between the valve body (26) and the cylinder head (14), and a second sealing element (34) being in one piece with the valve body (26) and being designed to be arranged between the valve body (26) and the cylinder head (14) and being arranged in a given distance (D) from the first sealing element (32) in direction of the central longitudinal axis (L) facing away from the injection nozzle (28).

IPC 8 full level
F02M 55/00 (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 61/14 (2013.01); **F02M 61/16** (2013.01); **F02M 2200/858** (2013.01)

Citation (applicant)
DE 10103933 A1 20020814 - BOSCH GMBH ROBERT [DE]

Citation (search report)
• [X] WO 0212717 A1 20020214 - BOSCH GMBH ROBERT [DE], et al
• [X] EP 1357284 A1 20031029 - TOYOTA MOTOR CO LTD [JP], et al
• [X] DE 10321163 A1 20041202 - BOSCH GMBH ROBERT [DE]
• [X] JP 2004239124 A 20040826 - HITACHI LTD
• [X] DE 10103933 A1 20020814 - BOSCH GMBH ROBERT [DE]

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US9771911B2; US9574536B2; US9632132B2; EP2607679A1; CN103998765A; KR20140105596A; US2015060573A1; US9976529B2; WO2019052718A1; WO2013092366A1

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