

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]

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

Designated contracting state (EPC)  
DE FR IT

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2080893 A1 20090722; EP 2080893 B1 20101117; DE 602008003515 D1 20101230**

DOCDB simple family (application)  
**EP 08000959 A 20080118; DE 602008003515 T 20080118**