

Title (en)  
High pressure valve assembly

Title (de)  
Hochdruckventilanordnung

Title (fr)  
Agencement de soupape haute pression

Publication  
**EP 2085613 A3 20131218 (DE)**

Application  
**EP 09150286 A 20090109**

Priority  
DE 202008001458 U 20080201

Abstract (en)  
[origin: EP2085613A2] The arrangement (3) has a valve body (6) projecting into a flange (2) and sealing the flange using a static ring sealant (7). The valve body forms a suction valve with a closing body (8) at a side, and forms a pressure valve with a plunger (13) at its opposite side. The closing body and the plunger are axially movably supported in a spring-loaded manner. A channel (10) discharges into a pressure chamber (12) at the pressure-side, where the pressure chamber is provided in the valve body and extends in an axial direction of the plunger above a lower edge of the ring sealant.

IPC 8 full level  
**F04B 1/04** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)  
**F04B 1/0452** (2013.01 - EP US); **F04B 53/1022** (2013.01 - EP US); **F04B 53/109** (2013.01 - EP US); **Y10T 137/88062** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 202008001458 U1 20080327**; DK 2085613 T3 20181203; EP 2085613 A2 20090805; EP 2085613 A3 20131218; EP 2085613 B1 20180815; ES 2689916 T3 20181116; PL 2085613 T3 20190329; US 2009194717 A1 20090806; US 8240634 B2 20120814

DOCDB simple family (application)  
**DE 202008001458 U 20080201**; DK 09150286 T 20090109; EP 09150286 A 20090109; ES 09150286 T 20090109; PL 09150286 T 20090109; US 36262409 A 20090130