

Title (en)
VALVE ASSEMBLY

Title (de)
VENTILANORDNUNG

Title (fr)
ENSEMBLE DE SOUPAPE

Publication
EP 2676056 A1 20131225 (EN)

Application
EP 11858670 A 20110218

Priority
CN 2011071108 W 20110218

Abstract (en)
[origin: WO2012109799A1] A valve assembly is provided. It includes: a valve body (1); a valve seat (11, 12) disposed in an inner chamber of the valve body (1); and a valve plug (2) capable of moving relative to the valve seat (11, 12). The valve seat (11, 12) includes a first valve seat (11) and a second valve seat (12) disposed longitudinally; the valve plug (2) includes a first contact portion (21) and a second contact portion (22), the first contact portion (21) is capable of contacting the first valve seat (11) to form a seal, the second contact portion (22) includes an annular protrusion (20) being deformable after being extruded with the second valve seat (12), the second contact portion (22) is capable of forming a seal by contacting the second valve seat (12) through the deformed protrusion (20'), and the valve body (1) has a blocking part (19) which is capable of blocking rotation of the valve plug (2). With the annular protrusion (20) disposed on the valve plug (2), the protrusion (20) can be deformed in an extrusion manner, so as to achieve a sealing effect of the valve plug (2) and the valve seat (11, 12), which omits precise machining on the valve plug (2) and the valve seat (11, 12).

IPC 8 full level
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See references of WO 2012109799A1

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