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(54) Title: VALVE

(54) 发明名称: 一种阀门

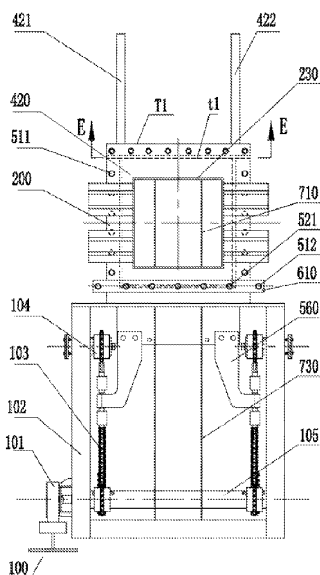


图 1

(57) Abstract: A valve, comprising a valve body (200), a valve plate (420), and an actuating mechanism (100). The valve body (200) comprises two plates (211, 212) that are parallel and symmetrical to each other and correspondingly provided with medium inlet/outlet holes; sealing rings (311, 312) are symmetrically arranged on the inner surfaces of the two plates (211, 212) of the valve body, and the medium inlet/outlet holes of the two plates (211, 212) of the valve body are completely located in circumferentially closed holes of the sealing rings (311, 312); the valve plate (420) has a smooth surface and is tightly sandwiched between the sealing rings (311, 312) when the valve is in a closed state; fastening structures surround the radial peripheries of the sealing rings (311, 312) and are provided on the two plates (211, 212) of the valve body (200) so as to clamp the two plates (211, 212) and/or the sealing rings (311, 312) of the valve body (200); and the degree of clamping of at least a part of each fastening structure can be adjusted in a direction perpendicular to the surface of the valve body (200). By means of a simple and reasonable structure design, compacting forces of corresponding parts of the sealing rings can be conveniently and timely adjusted outside the valve and the sealing rings can be replaced outside the valve, such that internal leakage of the valve would not occur, and multiple existing valves can be replaced with the valve.

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RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

根据细则4.17的声明:

— 发明人资格(细则4.17(iv))

本国际公布:

— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 一种阀门, 包括阀体(200)、阀板(420)和执行机构(100); 所述阀体(200)包括二个相互平行对称的板(211、212), 其上对应开设介质进出孔; 所述阀体的二个板(211、212)之内表面上对称设置密封圈a(311、312), 所述阀体的二个板(211、212)上之介质进出孔完全位于所述密封圈a(311、312)之环周封闭的孔之内; 所述阀板(420)表面光滑, 其在阀门关闭状态下紧密地夹置于所述密封圈a(311、312)之间; 紧固结构环绕所述密封圈a(311、312)之径向外围装置于所述的阀体(200)的二个板(211、212)上夹紧所述阀体(200)的二个板(211、212)和/或密封圈a(311、312); 所述紧固结构至少有一部分可沿垂直于阀体(200)表面的方向调节其夹紧程度。通过简单合理的结构设计, 实现便捷及时地在阀门外调节密封圈各相应部位的压紧力和在阀门外更换密封圈, 所述阀门不会产生内漏, 可替代多种现有的阀门。