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本国际公布:

— 包括国际检索报告(条约第21条(3))。

(54) **Title:** SENSOR FIXING STRUCTURE

(54) 发明名称: 传感器固定结构

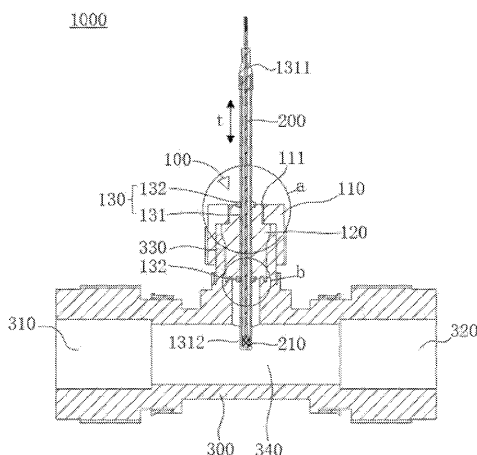


图 2

(57) **Abstract:** Disclosed in the present invention is a sensor fixing structure. The sensor fixing structure is used for fixing a sensor at the interface of a cavity and enabling a measurement end of the sensor to be located in the cavity so as to measure fluid parameters in the cavity, and comprises: a fastening member, detachably mounted at the interface; a fixing member, provided with a first through hole extending in the length direction; and a sealing portion, used for sealing the measurement end and sealing a gap between the sensor and the first through hole, wherein when the sensor fixing structure is assembled, the fixing member and the fastening member are sequentially assembled at the interface, the sensor runs through and is fixed in the first through hole, the measurement end is located in the cavity, and the fixing member is pressed under the preload of the fastening member to form a seal between the interface and the fastening member. In the present application, the sensor fixing structure has relatively high sealing performance by means of the described structure.

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(57) 摘要: 本发明公开了一种传感器固定结构。该传感器固定结构用于将传感器固定于腔体的接口处,并使传感器的检测端位于腔体内,以检测腔体内的流体参数,包括:紧固件,可拆卸地装设于接口处;固定件,固定件设置有沿长度方向延伸的第一通孔;密封部,用于密封检测端,以及密封传感器与第一通孔之间的间隙;其中,在装配传感器固定结构时,固定件和紧固件依次装配于接口处,传感器贯穿固定于第一通孔内,并使检测端位于腔体内,固定件在紧固件的预紧力作用下受压与接口和紧固件之间形成密封。本申请通过上述结构,使传感器固定结构具有较高的密封性。