

Title (en)
CONTROL VALVE FOR A HEAT MANAGEMENT MODULE

Title (de)
STEUERVENTIL FÜR EIN WÄRMEMANAGEMENTMODUL

Title (fr)
VANNE DE COMMANDE DE MODULE DE GESTION DE CHALEUR

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Application
EP 19727584 A 20190507

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• DE 102018110983 A 20180508
• DE 2019100410 W 20190507

Abstract (en)
[origin: WO2019214776A1] The invention relates to a control valve (1) for a heat management module (2) of a motor vehicle (3), comprising at least the following components: - a valve disk (4) for sealingly resting on a valve seat (5) in a closed position; - a valve shaft (6) having an axial extension, the valve shaft (6) being connected to the valve disk (4); - a shaft bearing (7) having a bearing surface (8), in which the valve shaft (6) is mounted such that it can move axially from the bearing surface (8). The control valve (1) is primarily characterized in that a radial spring (9) is also provided, wherein the radial spring (9) is preloaded radially towards the shaft bearing (7) and rests radially on the shaft bearing (7), wherein the receiving groove (10) has an inhibiting section (11) and a free-running section (12) which are separated axially adjacent to one another by means of a clamping wedge (13), wherein the clamping wedge (13) cannot be overcome by the radial spring (9) in the region of the bearing surface (8) and the radial spring (9) can be pressed radially by the clamping wedge (13) in such a way that the valve shaft (6) is inhibited in the axial direction (15) away from the free-running section (12). With the control valve proposed here, a control position can be kept with simple means continuously, preferably without energy, in a small installation space.

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F01P 7/16 (2006.01)

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Citation (search report)
See references of WO 2019214776A1

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