

Title (en)  
THERMOSTAT FOR COOLANT SYSTEM

Title (de)  
THERMOSTAT FÜR EIN KÜHLSYSTEM

Title (fr)  
THERMOSTAT DESTINÉ À UN CIRCUIT DE LIQUIDE DE REFROIDISSEMENT

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Application  
**EP 11854448 A 20111201**

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Abstract (en)  
[origin: WO2012091658A1] The invention relates to a thermostat (8) for use in coolant- based systems comprising a thermostat disc (9) provided with an outer edge portion (10), a sealing ring (11) against which the disc (9) seals in its fully closed position, and a wax element (12) which regulates the position of the disc (9) on the basis of the coolant's current temperature. The invention is achieved by the edge portion (10) forming a predetermined angle (a) relative to the direction of axial movement of the disc (9), resulting in a gradually larger flow cross-section the more the thermostat (8) opens, and by the edge portion (10) having an extent in height corresponding to at least 50%, preferably 80-85%, of the regulating range (6) of the wax element (12) and/or the thermostat disc (9) in axial directions.

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