

Title (en)
A THERMOSTAT ASSEMBLY WITH AN IMPROVED BYPASS CONTROL

Title (de)
THERMOSTATZUSAMMENBAU MIT VERBESSERTER BYPASSREGELUNG

Title (fr)
ENSEMBLE THERMOSTAT À COMMANDE DE DÉRIVATION AMÉLIORÉE

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Application
EP 18845454 A 20180918

Priority
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Abstract (en)
[origin: WO2019066758A1] This invention relates to a thermostat assembly (32) ensuring a pilot flow (P) at the fully open thermostat position from the bypass inlet (32.1) to outlet (32.3) through the conduits (20) designed on the valve (10) structure to prevent the accumulation of the warm coolant around the heat sensitive wax filled body (38.2) of the thermo-actuator (38). The warm coolant accumulation causes the heat sensitive wax filled body (38.2) to not sense the main flow (M) temperature during the fully open thermostat position. An improved bypass control is aimed with the enlarged heat transmission area by reducing contact area (38.3) as well as the designed conduits (20) on the valve (10) structure of the present invention.

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