

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

Publication  
**EP 3688292 A1 20200805 (EN)**

Application  
**EP 18845454 A 20180918**

Priority  
• TR 201714299 A 20170926  
• TR 2018050504 W 20180918

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.

IPC 8 full level  
**F01P 7/16** (2006.01); **F16K 1/38** (2006.01); **G05D 23/02** (2006.01)

CPC (source: EP IL)  
**F01P 7/16** (2013.01 - EP IL); **G05D 23/1333** (2013.01 - EP IL)

Citation (search report)  
See references of WO 2019066758A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2019066758 A1 20190404**; CN 111183278 A 20200519; CN 111183278 B 20220809; EP 3688292 A1 20200805; IL 273565 A 20200531; TR 201714299 A1 20190422

DOCDB simple family (application)  
**TR 2018050504 W 20180918**; CN 201880062323 A 20180918; EP 18845454 A 20180918; IL 27356520 A 20200324; TR 201714299 A 20170926