

Title (en)

A THERMOSTAT HOUSING WITH IMPROVED FLOW GEOMETRY REDUCING PRESSURE DROP

Title (de)

THERMOSTATGEHÄUSE MIT VERBESSERTER STRÖMUNGSGEOMETRIE ZUR VERRINGERUNG DES DRUCKABFALLS

Title (fr)

BOÎTIER DE THERMOSTAT AYANT DE GÉOMÉTRIE D'ÉCOULEMENT AMÉLIORÉE RÉDUISANT UNE BAISSSE DE PRESSION

Publication

**EP 3717759 A4 20210714 (EN)**

Application

**EP 18913273 A 20181115**

Priority

- TR 201719196 A 20171130
- TR 2018050692 W 20181115

Abstract (en)

[origin: WO2019194765A2] This invention relates to a thermostat housing (10) which prevents the vortex (23) formation at the dead points (22) due to pressure difference between coolant portions within the conventional housing and thus provides improvement in the pressure drop occurred during the coolant streaming through the housing. The improvement is obtained by changing both the entrance (20) geometry and elbow (30) geometry of the thermostat housing (10).

IPC 8 full level

**F01P 7/16** (2006.01); **F16K 27/00** (2006.01); **F16K 31/00** (2006.01); **G05D 23/02** (2006.01)

CPC (source: EP)

**F01P 7/16** (2013.01); **F16K 27/02** (2013.01); **F16K 31/002** (2013.01); **G05D 23/022** (2013.01)

Citation (search report)

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- [I] EP 2924251 A1 20150930 - FPT IND SPA [IT]
- [I] WO 2013088820 A1 20130620 - NIPPON THERMOSTAT KK [JP], et al
- [I] OMAR DR ET AL: "Fluid Mechanics and Applications Inter -Bayamon Lecture 4 Fluid Mechanics and Applications MECN 3110", 31 December 2011 (2011-12-31), pages 1 - 133, XP055810078, Retrieved from the Internet <URL:http://player.slideplayer.com/download/23/6914013/rfmfrXTxfBDVSqTi6-rVg/1622641611/6914013.ppt> [retrieved on 20210602] & OMAR DR ET AL: "?Presentation "Fluid Mechanics and Applications Inter - Bayamon Lecture 4 Fluid Mechanics and Applications MECN 3110 Inter American University of Puerto Rico Professor:\"", 26 March 2016 (2016-03-26), pages 1 - 23, XP055810080, Retrieved from the Internet <URL:https://web.archive.org/web/20160326021040/https://slideplayer.com/slide/6914013#> [retrieved on 20210602]
- See references of WO 2019194765A2

Designated contracting state (EPC)

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