

Title (en)

Heat exchanger, in particular exhaust gas heat exchanger

Title (de)

Wärmetauscher, insbesondere Abgaswärmetauscher

Title (fr)

Echangeur thermique, en particulier échangeur thermique pour gaz d'échappement

Publication

**EP 1925808 A3 20130306 (DE)**

Application

**EP 07022450 A 20071120**

Priority

DE 102006054723 A 20061121

Abstract (en)

[origin: EP1925808A2] The exchanger has a surface area, which is pressurized with a medium e.g. exhaust gas, where the surface area is made of metal e.g. aluminum or stainless steel, which is provided with coating. The coating is converted by high operating temperature into a corrosion resistant, partial ceramic e.g. oleophobic protective layer. The coating and/or protective layer has a catalytic acting additives, which are microencapsulated. An independent claim is also included for a method for producing the heat exchanger.

IPC 8 full level

**F02M 25/07** (2006.01); **F28F 19/02** (2006.01)

CPC (source: EP)

**F02M 26/11** (2016.02); **F02M 26/29** (2016.02); **F02M 26/50** (2016.02); **F28F 19/02** (2013.01); **F02M 26/35** (2016.02)

Citation (search report)

- [X] WO 2005089960 A1 20050929 - BEHR GMBH & CO KG [DE], et al
- [X] EP 1386983 A1 20040204 - ITN NANOVATION GMBH [DE]
- [A] WO 2006100072 A1 20060928 - BEHR GMBH & CO KG [DE], et al
- [A] DE 3809774 A1 19891005 - RENNEBECK KLAUS [DE]
- [A] DE 4120563 A1 19920102 - NUOVO PIGNONE SPA [IT]

Cited by

US2015107804A1; CN106677887A; DE102013100887A1; EP2400140A3; WO2021185770A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1925808 A2 20080528; EP 1925808 A3 20130306; EP 1925808 B1 20181003**; DE 102006054723 A1 20080529

DOCDB simple family (application)

**EP 07022450 A 20071120**; DE 102006054723 A 20061121