

Title (en)

Heat exchanger and use and production method of a heat exchanger

Title (de)

Wärmetauscher, Verwendung und Herstellungsverfahren eines Wärmetauschers

Title (fr)

Echangeur thermique, utilisation et procédé de fabrication d'un échangeur thermique

Publication

EP 2151655 B1 20171101 (DE)

Application

EP 09165742 A 20090717

Priority

- DE 102008036975 A 20080808
- DE 102008051896 A 20081016

Abstract (en)

[origin: EP2151655A2] The heat exchanger (10) comprises a block for guiding and separating the two heat exchangeable fluids from each other. A case (3) is assigned to the block, which is fluidically connected with the flow channels. A base (1) is provided with one or multiple through-holes for the feedthrough of the flow channels between the block and the case. A flange (7) is provided, which has a ground level section at one side and an end sided section, where a wall cross section of the end sided section is lesser than a wall section of the ground level section. An independent claim is included for a method for manufacturing a heat exchanger.

IPC 8 full level

F28F 9/18 (2006.01); **B21D 53/02** (2006.01)

CPC (source: EP US)

F28D 1/05366 (2013.01 - EP US); **F28F 9/182** (2013.01 - EP US); **B21D 41/02** (2013.01 - EP US); **B21D 53/02** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - US); **Y10T 29/49373** (2015.01 - US)

Citation (examination)

- DE 4112431 A1 19921022 - THERMAL WAERME KAELTE KLIMA [DE]
- DE 102005058177 A1 20060608 - BEHR GMBH & CO KG [DE]

Cited by

CN103562668A; CN103213291A; US9599413B2; US10371464B2; WO2012150237A1; WO2014123474A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 09165742 A 20090717; DE 102009033774 A 20090717; US 53829809 A 20090810