Title (en)

HEAT EXCHANGER

Title (de)

WÄRMEÜBERTRAGER

Title (fr)

ÉCHANGEUR DE CHALEUR

Publication

EP 2962056 B1 20200805 (DE)

Application

EP 14708822 A 20140225

Priority

- DE 102013203222 A 20130227
- EP 2014053627 W 20140225

Abstract (en)

[origin: WO2014131756A1] The invention relates to a heat exchanger (10) with mutually adjacent first flow channels (5, 6) and second flow channels (5, 6). The first flow channels (5, 6) and the second flow channels are received in a first manifold (27) at a first end region of the flow channel end regions and in a second manifold (33) at a second end region of the flow channel end regions. The first manifold (27) has a first base (15) and a first cover (16), and the second manifold (33) has a second base (15) and a second cover (30), said first base (15) and second base (15) having a plurality of openings (28) in which the end regions of the flow channels (5, 6) are received. The first manifold (27) has a first longitudinal channel (17) and a second longitudinal channel (18), wherein the first flow channels (5, 6) are in fluid communication with the first longitudinal channel (17), and the second flow channels (5, 6) are in fluid communication with the second longitudinal channel (18). The second manifold (33) has a second cover (30) which together with the second base (15) of the second manifold (33) forms transverse channels (34), and one first flow channel (5, 6) and one second flow channel (5, 6) are fluidically connected to each other via a respective transverse channel (34).

IPC 8 full level

F28F 9/02 (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)

F28D 1/05391 (2013.01 - EP US); **F28D 9/0093** (2013.01 - US); **F28F 9/0214** (2013.01 - EP US); F28F 9/0224 (2013.01 - US)

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

DOCDB simple family (publication)

DE 102013203222 A1 20140828; BR 112015020486 A2 20170718; CN 105026872 A 20151104; CN 105026872 B 20180525; EP 2962056 A1 20160106; EP 2962056 B1 20200805; US 2015354900 A1 20151210; US 9874405 B2 20180123; WO 2014131756 A1 20140904

DOCDB simple family (application)

DE 102013203222 A 20130227; BR 112015020486 A 20140225; CN 201480010998 A 20140225; EP 14708822 A 20140225; EP 2014053627 W 20140225; US 201514830010 A 20150819