

Title (en)
HEAT EXCHANGER MANIFOLD

Title (de)
VERTEILER EINES WÄRMETAUSCHERS

Title (fr)
COLLECTEUR D'ÉCHANGEUR DE CHALEUR

Publication
EP 3551952 A1 20191016 (EN)

Application
EP 17817626 A 20171206

Priority
• US 201662431153 P 20161207
• US 2017064892 W 20171206

Abstract (en)
[origin: WO2018106796A1] A heat exchanger manifold for use in a heat exchanger having a plurality of microtubes includes a receiving component for supporting and forming a seal about each of the plurality of microtubes and a circuiting component having at least one recessed channel for defining an enclosed flow configuration of a fluid of the heat exchanger. The receiving component is joined and sealed to the circuiting component such that an internal flow passage of the plurality of microtubes is arranged in fluid communication with the at least one recessed channel.

IPC 8 full level
F28D 1/053 (2006.01); **F28D 21/00** (2006.01); **F28F 1/12** (2006.01); **F28F 1/22** (2006.01); **F28F 1/26** (2006.01); **F28F 1/28** (2006.01); **F28F 9/02** (2006.01); **F28F 9/08** (2006.01); **F28F 9/16** (2006.01)

CPC (source: EP US)
F28D 1/05333 (2013.01 - EP US); **F28D 1/05383** (2013.01 - EP); **F28F 1/128** (2013.01 - EP); **F28F 1/22** (2013.01 - EP); **F28F 1/28** (2013.01 - EP); **F28F 9/0219** (2013.01 - EP); **F28F 9/0221** (2013.01 - US); **F28F 9/0229** (2013.01 - US); **F28F 9/04** (2013.01 - US); **F28F 9/08** (2013.01 - EP US); **F28F 9/162** (2013.01 - EP US); **F28D 1/0233** (2013.01 - US); **F28D 2021/0068** (2013.01 - EP); **F28D 2021/0071** (2013.01 - US); **F28F 1/128** (2013.01 - US); **F28F 1/22** (2013.01 - US); **F28F 1/28** (2013.01 - US); **F28F 2009/029** (2013.01 - EP); **F28F 2260/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2018106796A1

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 2018106796 A1 20180614; CN 110050168 A 20190723; EP 3551952 A1 20191016; US 2020096259 A1 20200326

DOCDB simple family (application)
US 2017064892 W 20171206; CN 201780075845 A 20171206; EP 17817626 A 20171206; US 201716467367 A 20171206