

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3217119 A4 20171129 (EN)

Application
EP 15857045 A 20150217

Priority
• JP 2014225794 A 20141106
• JP 2015054289 W 20150217

Abstract (en)
[origin: EP3217119A1] The heat exchanger is equipped with a heat transfer member (10, 20) including a flow port (11, 12, 21, 22) for receiving or discharging a fluid (6, 7), a plurality of heat exchange passages (13, 23), and a connection passage part (14, 24) having both ends, one of the ends being connected to the flow port and the other thereof being connected to the plurality of heat exchange passages (13, 23). The connection passage part has a tournament shape branched into two by two as it advances toward the heat exchange passages.

IPC 8 full level
F25B 41/00 (2006.01); **F28F 3/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)
F25B 41/00 (2013.01 - EP US); **F28D 9/005** (2013.01 - EP US); **F28F 3/00** (2013.01 - EP US); **F28F 9/0275** (2013.01 - EP US);
F28F 9/22 (2013.01 - EP US)

Citation (search report)
• [A] GB 2162302 A 19860129 - UNIV SYDNEY [AU]
• [A] WO 2008108191 A1 20080912 - CANON KK [JP], et al
• [A] WO 0143857 A1 20010621 - INST MIKROTECHNIK MAINZ GMBH [DE], et al
• See references of WO 2016072100A1

Cited by
EP3699537A1; US11118838B2; US11680756B2; WO2021080659A1

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)
EP 3217119 A1 20170913; EP 3217119 A4 20171129; EP 3217119 B1 20181212; JP 2016090157 A 20160523; JP 5847913 B1 20160127;
US 2017328644 A1 20171116; WO 2016072100 A1 20160512

DOCDB simple family (application)
EP 15857045 A 20150217; JP 2014225794 A 20141106; JP 2015054289 W 20150217; US 201515524711 A 20150217