

Title (en)
PLATE-TYPE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR DU TYPE À PLAQUES

Publication
EP 2980521 A1 20160203 (EN)

Application
EP 13880645 A 20131204

Priority
• JP 2013074896 A 20130329
• JP 2013082583 W 20131204

Abstract (en)
Provided is a plate heat exchanger, in which at least one first flow channel located at an intermediate position in the stacked direction of heat transfer plates is a reference flow channel that serves as a branching position of a flow channel of a first fluid medium, a body portion includes a pair of primary branch flow channels that provide communication between the reference flow channel and at least one first flow channel located on each of one side and the other side of the reference flow channel in the stacked direction of the heat transfer plates, one of first communication flow channels communicates only with the reference flow channel, and the other of the first communication flow channels communicates only with a first flow channel that is located on the one side and the other side of the reference flow channel in the stacked direction of the heat transfer plates, and that serves as a terminal end of the flow channel of the first fluid medium.

IPC 8 full level
F28F 3/08 (2006.01); **F28D 9/02** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)
F28D 9/005 (2013.01); **F28F 2275/04** (2013.01)

Cited by
EP4199325A1; WO2023110218A1

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 2980521 A1 20160203; **EP 2980521 A4 20161123**; **EP 2980521 B1 20190313**; CN 105008843 A 20151028; CN 105008843 B 20170517; JP 5818397 B2 20151118; JP WO2014155839 A1 20170216; WO 2014155839 A1 20141002

DOCDB simple family (application)
EP 13880645 A 20131204; CN 201380073887 A 20131204; JP 2013082583 W 20131204; JP 2015507956 A 20131204