

Title (en)  
PLATE-TYPE HEAT EXCHANGER

Title (de)  
PLATTENWÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR DU TYPE À PLAQUES

Publication  
**EP 2980519 A1 20160203 (EN)**

Application  
**EP 13880338 A 20131204**

Priority  
• JP 2013074894 A 20130329  
• JP 2013082582 W 20131204

Abstract (en)  
Provided is a plate heat exchanger, in which first flow channels and second flow channels are formed alternately with heat transfer plates therebetween. A pair of communication flow channels are provided to allow a first fluid medium to flow into and out of the first flow channels through communication of the first flow channels with each other. A flow channel of the first fluid medium is formed from the one first communication flow channel to the other first communication flow channel. At least one of the first flow channels is a reference flow channel serving as a starting point of the flow channel of the first fluid medium. One of the first communication flow channels communicates only with the reference flow channel, and the other of the first communication flow channels communicates only with a plurality of the first flow channels, the number of which is greater than the number of the reference flow channel and which serve 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)

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 2980519 A1 20160203**; **EP 2980519 A4 20170125**; **EP 2980519 B1 20190403**; CN 105008844 A 20151028; CN 105008844 B 20170308; JP 5918904 B2 20160518; JP WO2014155838 A1 20170216; WO 2014155838 A1 20141002

DOCDB simple family (application)  
**EP 13880338 A 20131204**; CN 201380074158 A 20131204; JP 2013082582 W 20131204; JP 2015507955 A 20131204