

Title (en)
PLATE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR À PLAQUES

Publication
EP 3598053 A4 20200318 (EN)

Application
EP 17908036 A 20171213

Priority
• JP 2017088287 A 20170427
• JP 2017044707 W 20171213

Abstract (en)
[origin: EP3598053A1] A plate heat exchanger causes heat exchange to be performed using a plurality of heat transfer plates stacked. Each of the heat transfer plates includes a plate body, a first-medium inlet, a first-medium outlet, a second-medium inlet, a second-medium outlet, and a projection that provides a passage. At least one of the first-medium inlet and the first-medium outlet is located at one of two corners at one end of the plate body which the projection contacts. At least one of the second-medium inlet and the second-medium outlet is located at one of two corners at the other end of the plate body from which the projection is separated.

IPC 8 full level
F28F 3/08 (2006.01); **F28D 9/02** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)
F28D 9/005 (2013.01 - EP); **F28D 9/0056** (2013.01 - EP); **F28F 3/046** (2013.01 - EP); **F28F 3/08** (2013.01 - US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2018198420A1

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 3598053 A1 20200122; **EP 3598053 A4 20200318**; **EP 3598053 B1 20220511**; CN 110537070 A 20191203; CN 110537070 B 20210112; JP 6479271 B1 20190306; JP WO2018198420 A1 20190627; US 2020041218 A1 20200206; WO 2018198420 A1 20181101

DOCDB simple family (application)
EP 17908036 A 20171213; CN 201780089689 A 20171213; JP 2017044707 W 20171213; JP 2018528358 A 20171213; US 201716489564 A 20171213