

Title (en)
PLATE HEAT EXCHANGER MODULE FOR WHICH THE CHANNELS INTEGRATE AS INPUT A UNIFORM FLOW DISTRIBUTION ZONE AND A FLUID BIFURCATION ZONE

Title (de)
PLATTENWÄRMETAUSCHERMODUL, BEI DEM DIE KANÄLE ALS EINGANG EINER ZONE MIT GLEICHMÄSSIGER STRÖMUNGSVERTEILUNG UND EINER FLÜSSIGKEITSVERZWEIGUNGSZONE INTEGRIERT SIND

Title (fr)
MODULE D'ECHANGEUR DE CHALEUR A PLAQUES DONT LES CANAUX INTEGRENT EN ENTREE UNE ZONE DE REPARTITION UNIFORME DE DEBIT ET UNE ZONE DE BIFURCATIONS DE FLUIDE

Publication
EP 3494352 A1 20190612 (FR)

Application
EP 17745748 A 20170802

Priority
• FR 1657543 A 20160803
• EP 2017069510 W 20170802

Abstract (en)
[origin: WO2018024765A1] The invention relates to a heat exchanger module with longitudinal axis (X) comprising a stack of plates (1, 2) defining at least two fluid circuits, at least a portion of the plates each comprising fluid circulation channels each delimited, at least in part, by a groove. According to the invention, a communication is produced between the channels within a same plate and between all the plates of a same circuit, in a feed or pre-collector zone, with a succession of channel groupings, two-by-two, in the form of bifurcations.

IPC 8 full level
F28D 9/00 (2006.01); **F28F 9/02** (2006.01); **F28F 3/08** (2006.01); **G21C 15/00** (2006.01)

CPC (source: EP KR US)
F28D 9/0081 (2013.01 - EP KR US); **F28F 3/08** (2013.01 - EP KR US); **F28F 9/026** (2013.01 - US); **F28F 9/0275** (2013.01 - EP KR US); **G21C 15/02** (2013.01 - KR); **G21D 1/006** (2013.01 - EP KR); **F28D 2021/0054** (2013.01 - EP KR US); **F28F 2210/02** (2013.01 - EP KR US); **G21C 15/02** (2013.01 - EP); **G21D 1/006** (2013.01 - US); **Y02E 30/00** (2013.01 - EP); **Y02E 30/30** (2013.01 - EP KR)

Cited by
RU2738809C9

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 2018024765 A1 20180208; CN 109642779 A 20190416; CN 109642779 B 20211026; EP 3494352 A1 20190612; FR 3054879 A1 20180209; FR 3054879 B1 20180817; JP 2019523383 A 20190822; KR 20190026808 A 20190313; US 11340028 B2 20220524; US 2021285734 A1 20210916

DOCDB simple family (application)
EP 2017069510 W 20170802; CN 201780047607 A 20170802; EP 17745748 A 20170802; FR 1657543 A 20160803; JP 2019505353 A 20170802; KR 20197003061 A 20170802; US 201716321081 A 20170802