

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 4343256 A1 20240327 (EN)

Application
EP 22196562 A 20220920

Priority
EP 22196562 A 20220920

Abstract (en)
A heat exchanger comprising:- a parting plate comprising a frame and a main body arranged within the frame and connected to the frame so as to define, between the frame and the main body, two first ports and two second ports;- at least one first channel (37) extending from one of the first ports (12) to another one of the first ports (14) on a first face of the main body;- first edge bars (35) extending on either sides of the at least one first channel (37) to prevent communication between the at least one first channel (37) and the second ports (16, 18);wherein the at least one first channel (37) opens out onto a first rectilinear portion (42) of one of the first ports (12), and at least one of the first edge bars (35) extends up to the first rectilinear portion (42).

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

CPC (source: EP)
F28D 9/005 (2013.01); **F28D 9/0075** (2013.01); **F28F 3/025** (2013.01); **F28F 3/046** (2013.01); **F28F 9/0265** (2013.01)

Citation (search report)
• [X1] US 2018045469 A1 20180215 - POLLARD BERWYN [GB]
• [X1] KR 102272342 B1 20210702 - DOOSAN HEAVY IND & CONSTRUCTION CO LTD [KR]
• [X1] US 9417016 B2 20160816 - SCOTT DAVID RUSSELL [GB]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4343256 A1 20240327; WO 2024061821 A1 20240328

DOCDB simple family (application)
EP 22196562 A 20220920; EP 2023075634 W 20230918