

Title (en)
HEAT EXCHANGER WITH CHANNELS FOR DAMPING MOVEMENTS OF LIQUIDS

Title (de)
WÄRMEÜBERTRAGER MIT KANÄLEN ZUR DÄMPFUNG VON FLÜSSIGKEITSBEWEGUNGEN

Title (fr)
DISPOSITIF DE TRANSMISSION DE LA CHALEUR DOTÉ DE CANAUX DESTINÉS À L'AMORTISSEMENT DE MOUVEMENTS DE FLUIDES

Publication
EP 3143352 B1 20171129 (DE)

Application
EP 15720913 A 20150507

Priority

- EP 14001684 A 20140513
- EP 2015000931 W 20150507

Abstract (en)
[origin: CA2947366A1] The invention relates to a heat exchanger (1) for indirect heat transfer between a first medium (M1) and a second medium (M2), comprising: a shell (2), which has a shell space (3) for accommodating a liquid phase (F1) of the first medium (M1), and at least one heat-exchanger block (4), which has first heat-transfer passages for accommodating the first medium (M1) and second heat-transfer passages for accommodating the second medium (M2), such that indirect heat can be transferred between the two media (M1, M2), wherein the at least one heat-exchanger block (4, 5) is arranged in the shell space (3) in such a way that the at least one heat-exchanger block can be surrounded with a liquid phase (F1) of the first medium (M1) located in the shell space (3). According to the invention, a plurality of cylindrical channels (10) extending parallel to each other for conducting the liquid phase of the first medium (M1) is provided in the shell space (3) laterally to the at least one heat-exchanger block (4).

IPC 8 full level
F28D 21/00 (2006.01); **F28F 9/22** (2006.01)

CPC (source: CN EP KR US)
F25J 1/0022 (2013.01 - EP US); **F25J 1/0262** (2013.01 - EP US); **F25J 1/0278** (2013.01 - EP US); **F25J 5/005** (2013.01 - EP); **F28D 9/00** (2013.01 - CN); **F28D 21/0017** (2013.01 - CN EP KR US); **F28F 9/005** (2013.01 - US); **F28F 9/22** (2013.01 - CN EP KR US); **F28F 13/06** (2013.01 - US); **F25J 2250/02** (2013.01 - EP US); **F25J 2250/20** (2013.01 - EP US); **F25J 2290/72** (2013.01 - EP US); **F28D 2021/0033** (2013.01 - CN EP KR US); **F28D 2021/0063** (2013.01 - KR); **F28F 2009/224** (2013.01 - KR); **F28F 2265/00** (2013.01 - CN EP KR US)

Cited by
WO2021093993A1

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

DOCDB simple family (publication)
EP 2944909 A1 20151118; AU 2015258457 A1 20161110; CA 2947366 A1 20151119; CN 106461348 A 20170222; EP 3143352 A1 20170322; EP 3143352 B1 20171129; ES 2657848 T3 20180307; JP 2017519174 A 20170713; KR 20170005092 A 20170111; MX 2016014435 A 20170123; RU 2016148615 A 20180613; TR 201802608 T4 20180321; US 2017051985 A1 20170223; WO 2015172870 A1 20151119

DOCDB simple family (application)
EP 14001684 A 20140513; AU 2015258457 A 20150507; CA 2947366 A 20150507; CN 201580024722 A 20150507; EP 15720913 A 20150507; EP 2015000931 W 20150507; ES 15720913 T 20150507; JP 2016567663 A 20150507; KR 20167034761 A 20150507; MX 2016014435 A 20150507; RU 2016148615 A 20150507; TR 201802608 T 20150507; US 201515308113 A 20150507