

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3931508 B1 20231101 (EN)

Application
EP 20712443 A 20200228

Priority
• GB 201902802 A 20190301
• EP 2020055355 W 20200228

Abstract (en)
[origin: GB2581840A] A heat exchanger 9 comprises a first conduit module 10a for the flow of a first fluid, and a second conduit module 11a isolated from the first, for the flow of a second fluid. The first conduit module and the second conduit module are nested with one another. The heat exchanger further comprises a first fluid flow path 12 for the flow of a third fluid in heat exchange with the first and second fluids. The first fluid flow path extends in a substantially radial direction 13 of the heat exchanger. At least a portion of the first conduit module and at least a portion of the second conduit module are each arranged in a respective path that gradually widens or tightens about a longitudinal axis 14 of the heat exchanger.

IPC 8 full level
F28D 7/04 (2006.01); **F28D 7/00** (2006.01); **F28F 9/02** (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP GB US)
F28D 7/0066 (2013.01 - EP US); **F28D 7/0083** (2013.01 - EP); **F28D 7/04** (2013.01 - EP GB US); **F28D 7/08** (2013.01 - GB); **F28D 7/10** (2013.01 - GB); **F28F 9/02** (2013.01 - US); **F28F 9/0243** (2013.01 - EP); **F28F 27/00** (2013.01 - EP US)

Citation (examination)
NL 8202100 A 19831216 - PARCA NORRAHAMMAR AB

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)
GB 201902802 D0 20190417; **GB 2581840 A 20200902**; **GB 2581840 A8 20210714**; **GB 2581840 B 20211006**; AU 2020230983 A1 20211007; CA 3131814 A1 20200910; EP 3931508 A1 20220105; EP 3931508 B1 20231101; JP 2022522810 A 20220420; US 2022136777 A1 20220505; WO 2020178199 A1 20200910

DOCDB simple family (application)
GB 201902802 A 20190301; AU 2020230983 A 20200228; CA 3131814 A 20200228; EP 2020055355 W 20200228; EP 20712443 A 20200228; JP 2021551909 A 20200228; US 202017435342 A 20200228