

Title (en)
HEAT EXCHANGER THE CORE SHELL OF WHICH HAS ROUNDED EDGES

Title (de)
WÄRMETAUSCHER, DESSEN KERNHÜLLE ABGERUNDETE KANTEN AUFWEIST

Title (fr)
ÉCHANGEUR DE CHALEUR À CARTER DE FAISCEAU À COINS ARRONDIS

Publication
EP 3519754 B1 20220504 (FR)

Application
EP 17787476 A 20170927

Priority
• FR 1659104 A 20160927
• FR 2017052607 W 20170927

Abstract (en)
[origin: WO2018060602A1] The present invention relates to a heat exchanger (1) comprising a heat-exchange core bundle (2) and a core shell defining substantially a hollow parallelepiped one face (31) of which is open so that the adjacent four faces form an end edge bordered on the exterior surface of the shell by a coupling margin, the core shell being produced at least in two shell parts (34a – 34d) ; characterized in that the coupling margin has rounded edges, the shell parts (34a – 34d) being arranged in such a way that, at the coupling margin, the exterior surface of one substantially continues the exterior surface of the other.

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

CPC (source: EP)
F28D 9/0037 (2013.01); **F28F 9/001** (2013.01); **F28F 2275/14** (2013.01)

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)
FR 3056716 A1 20180330; FR 3056716 B1 20190712; CN 109997008 A 20190709; CN 109997008 B 20210528; EP 3519754 A1 20190807; EP 3519754 B1 20220504; WO 2018060602 A1 20180405

DOCDB simple family (application)
FR 1659104 A 20160927; CN 201780059687 A 20170927; EP 17787476 A 20170927; FR 2017052607 W 20170927