

Title (en)
A HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3534104 A1 20190904 (EN)

Application
EP 18461523 A 20180228

Priority
EP 18461523 A 20180228

Abstract (en)
A high pressure heat exchanger 1 comprising a first manifold 10a and a second manifold 10b connected fluidly by a plurality of tube sets 20 arranged in a spaced manner along the manifolds 10a, 10b, each tube set 20 comprising a first tube 11 and a second tube 12, wherein each of the first and the second tubes 11, 12 comprises an intermediate tube section 11a between two opposing tube end sections 11b, and wherein the manifolds 10a, 10b comprise slots 13 receiving the tube end sections 11b in a fluid-tight manner, wherein in the tube set 20, at least the first tube 11 comprises a bent tube section 11c between the tube end section 11b and the intermediate tube section 11a, so that the intermediate tube sections 11a of the first and second tubes 11, 12 run substantially in a parallel and spaced manner to each other, while the tube end tube sections 11b are stacked on each other within a single slot 13.

IPC 8 full level
F28F 1/02 (2006.01); **F28D 1/047** (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F28D 1/0471 (2013.01); **F28D 1/05366** (2013.01); **F28F 1/025** (2013.01); **F28F 9/0221** (2013.01); **F28F 9/0229** (2013.01)

Citation (search report)
• [X] JP 2003166791 A 20030613 - MITSUBISHI HEAVY IND LTD
• [X] EP 2372288 A1 20111005 - VALEO SYSTEMES THERMIQUES [FR]
• [A] US 2008105419 A1 20080508 - OH KWANGHEON [KR], et al
• [A] EP 3150953 A1 20170405 - DANFOSS MICRO CHANNEL HEAT EXCHANGER (JIAXING) CO LTD [CN]

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EP3907459A1; WO2021223944A1

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)
EP 3534104 A1 20190904; **EP 3534104 B1 20210630**; CN 209263726 U 20190816

DOCDB simple family (application)
EP 18461523 A 20180228; CN 201820683989 U 20180509