

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 4317897 A1 20240207 (EN)

Application
EP 22188340 A 20220802

Priority
EP 22188340 A 20220802

Abstract (en)
A heat exchanger (100) comprises a first manifold (102), a second manifold (104), and a plurality of tubes (106) extending between the first and second manifolds (102, 104). The first manifold (102) comprises a tank member (108) comprising a first and second channel (110A, 110B), and a header plate (112) comprising a first set of slots (114A) in conjunction with the first channel (110A) defining an inlet manifold (122), and a second set of slots (114B) in conjunction with the second channel (110B) defining an outlet manifold (124). The first manifold (102) extends beyond an outline of the tubes (106) and comprises at least two aperture (116A, 116B) in fluid communication with the inlet and outlet manifolds (122, 124), respectively. A first and second conduits (118, 120) are directly fixed to the first and second apertures (116A, 116B), respectively, for introduction of heat exchange fluid into the heat exchanger (100).

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
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Citation (search report)
• [X] US 2013180695 A1 20130718 - SEO KANG TAE [KR], et al
• [X] EP 2009383 A1 20081231 - VALEO SYSTEMES THERMIQUES [FR]
• [X] DE 102018209775 A1 20191219 - MAHLE INT GMBH [DE]
• [X] US 2020200492 A1 20200625 - DOLDERER AXEL [DE], et al

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

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KH MA MD TN

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