

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 3822569 C0 20230607 (DE)

Application
EP 20207057 A 20201112

Priority
EP 19209037 A 20191114

Abstract (en)
[origin: US2021148650A1] A heat exchanger comprises a jacket element and an insert element, the jacket element forming a fluid channel for a fluid to be tempered, a flowable medium or a fluid mixture. The insert element is arranged in the fluid channel. The insert element contains a plurality of web elements which are connected to the jacket element at different locations. At least some of the web elements contain web element passages which are in fluid-conducting connection with the jacket element so that, in the operating state, a heat transfer fluid which is fed to the jacket element can flow through the web elements, wherein the jacket element contains a plurality of chambers for a heat transfer fluid, wherein at least one of the chambers is disposed with a plurality of inlet openings and outlet openings for the heat transfer fluid.

IPC 8 full level
B01F 25/431 (2022.01); **B01F 35/93** (2022.01); **F28D 7/00** (2006.01); **F28D 7/16** (2006.01); **F28F 9/02** (2006.01); **F28F 9/24** (2006.01)

CPC (source: EP US)
B01F 25/43161 (2022.01 - EP); **B01F 35/93** (2022.01 - EP); **F28D 7/0058** (2013.01 - EP); **F28D 7/1623** (2013.01 - EP); **F28F 3/086** (2013.01 - US); **F28F 3/12** (2013.01 - US); **F28F 9/0202** (2013.01 - EP); **F28F 9/24** (2013.01 - EP); **F28D 2021/0045** (2013.01 - EP); **F28D 2021/0052** (2013.01 - EP)

Cited by
EP4089357A1

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 3822569 A1 20210519; **EP 3822569 B1 20230607**; **EP 3822569 C0 20230607**; ES 2952263 T3 20231030; US 2021148650 A1 20210520

DOCDB simple family (application)
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