

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 3489603 B1 20210616 (DE)

Application
EP 17204212 A 20171128

Priority
EP 17204212 A 20171128

Abstract (en)
[origin: US2019162490A1] The heat exchanger (1) contains a jacket element (2) and an insert element (3), wherein the insert element (3) is arranged in the operating state in the interior of the jacket element (2). The insert element has a longitudinal axis (4). The insert element (3) contains an insert jacket element (31) and a plurality of web elements (9, 10), the web elements (9, 10) having a first end (13) and a second end (14). The first end (13) and the second end (14) of each web element (9, 10) are connected to the insert jacket element (31) at different locations. At least a portion of the web elements (9, 10) includes web element channels (11, 12), the web element channels (11, 12) extending from the first end (13) of the web element (11) to the second end (14) of the web element (11). An intermediate jacket element (5) is arranged between the insert jacket element (31) and the jacket element (2).

IPC 8 full level
F28D 7/00 (2006.01); **B01F 23/47** (2022.01); **F28F 1/00** (2006.01)

CPC (source: EP US)
B01F 23/47 (2022.01 - EP US); **B01F 25/4319** (2022.01 - EP US); **B01F 35/93** (2022.01 - EP US); **F28D 7/0058** (2013.01 - EP US); **F28F 1/003** (2013.01 - EP US); **F28F 13/12** (2013.01 - US); **B01F 25/431974** (2022.01 - EP US); **F28D 2021/0052** (2013.01 - EP US); **F28F 2210/10** (2013.01 - US)

Cited by
DE102019009099A1; EP4089357A1; EP3822569A1

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

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