

Title (en)  
HEAT EXCHANGER ASSEMBLY

Title (de)  
WÄRMETAUSCHERBAUGRUPPE

Title (fr)  
ENSEMBLE ÉCHANGEUR THERMIQUE

Publication  
**EP 3467422 A1 20190410 (EN)**

Application  
**EP 17461618 A 20171009**

Priority  
EP 17461618 A 20171009

Abstract (en)  
A heat exchanger assembly (1) comprises two manifolds (21, 22) and a plurality of flow ducts (3) connecting the manifolds (21, 22). The heat exchanger assembly (1) further comprises a plurality of shaped plates (7). The flow ducts (3) and the shaped plates (7) are arranged alternatively one above the other so that one flow duct (3) is arranged between two successive shaped plates (7). The shaped plates (7) comprise a circumferential wall (71, 79), which includes two opposing cavities (73) to receive the flow ducts (3). Each two successive shaped plates (7) and one flow duct (3) arranged therebetween define together a channel (8). The channels (8) defined by the shaped plates (7) and the flow ducts (3) are in fluid communication with each other.

IPC 8 full level  
**F28F 1/02** (2006.01)

CPC (source: EP)  
**F28D 7/0025** (2013.01); **F28D 9/0043** (2013.01); **F28F 1/022** (2013.01); **F28D 2021/0073** (2013.01)

Citation (search report)  
• [X] JP 2001050681 A 20010223 - MATSUSHITA ELECTRIC IND CO LTD  
• [A] FR 3045808 A1 20170623 - VALEO SYSTEMES THERMIQUES [FR]

Cited by  
JP2021032549A; WO2023239102A1

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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BA ME

DOCDB simple family (publication)  
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