

Title (en)  
A PLATE ASSEMBLY

Title (de)  
PLATTENANORDNUNG

Title (fr)  
ENSEMBLE PLAQUE

Publication  
**EP 3872434 A1 20210901 (EN)**

Application  
**EP 20461515 A 20200228**

Priority  
EP 20461515 A 20200228

Abstract (en)  
A plate assembly for a heat exchanger, comprising a first plate connected by brazing to an end plate on one side and to a second plate on the other side, thereby providing a conduit between the first plate and the second plate for a heat exchange fluid, wherein the second plate comprises an opening, wherein the first plate comprises a reinforcement element comprising a raised portion in contact with a part of edge area of the opening, wherein the reinforcement element is configured to enable flow of a heat exchange fluid through the opening and between the first plate and the second plate.

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)  
**F28D 9/005** (2013.01); **F28F 3/046** (2013.01); **F28D 2021/007** (2013.01); **F28D 2021/0084** (2013.01); **F28F 2225/04** (2013.01); **F28F 2275/04** (2013.01)

Citation (search report)

- [X] WO 2015082350 A1 20150611 - SWEP INT AB [SE]
- [X] EP 2267391 A2 20101229 - SWEP INT AB [SE]
- [X] WO 8809474 A1 19881201 - ALFA LAVAL THERMAL [SE]
- [X] WO 2018215425 A1 20181129 - SWEP INT AB [SE]

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 3872434 A1 20210901**; **EP 3872434 B1 20230823**; CN 115135949 A 20220930; WO 2021170436 A1 20210902

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**EP 20461515 A 20200228**; CN 202180016366 A 20210215; EP 2021053627 W 20210215