

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 4160130 A1 20230405 (EN)

Application
EP 21817911 A 20210208

Priority
• JP 2020095828 A 20200602
• JP 2021004504 W 20210208

Abstract (en)
A heat exchanger includes plate fin stacked body (4) configured by stacking plate fins (3) each having a flow channel through which a first fluid such as a refrigerant flows. Plate fin (3) includes a pair of plates brazed to each other, and the pair of plates is provided with the flow channel therebetween. Plate fin (3) is provided with tubular parts (13) each protruding to the outside of each of the pair of plates in portions of header region X connected to the flow channel of plate fin (3), and by fitting and brazing tubular parts (13) of adjacent plate fins (3) to each other, the portions of header regions X of adjacent plate fins (3) are coupled and fixed together.

IPC 8 full level
F28D 9/02 (2006.01); **F28F 3/00** (2006.01); **F28F 3/08** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F25B 39/022 (2013.01); **F28D 1/0341** (2013.01); **F28D 9/005** (2013.01); **F28D 9/0031** (2013.01); **F28D 2021/007** (2013.01); **F28D 2021/0071** (2013.01); **F28F 2210/02** (2013.01); **F28F 2225/04** (2013.01); **F28F 2240/00** (2013.01); **F28F 2265/26** (2013.01); **F28F 2270/00** (2013.01); **F28F 2275/04** (2013.01)

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BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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