

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 4328534 A1 20240228 (EN)

Application
EP 21937847 A 20210420

Priority
JP 2021016042 W 20210420

Abstract (en)
A heat exchanger includes: a first heat exchanger configured to transfer heat between air and refrigerant; and a second heat exchanger provided in series with the first heat exchanger in a first direction that is a flow direction of the air, and configured to transfer heat between the air and the refrigerant. The first heat exchanger includes first heat transfer tubes through which the refrigerant flows, which are spaced apart from each other in a second direction intersecting the first direction, and each of which has a tube axis extending in a third direction intersecting the first and second directions. The second heat exchanger includes: second heat transfer tubes through which the refrigerant flows, which are spaced apart from each other in the second direction, and each of which has a tube axis extending in the third direction; and a corrugated fin provided between the second heat transfer tubes.

IPC 8 full level
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CPC (source: EP US)
F28D 1/05391 (2013.01 - EP US); **F28F 1/128** (2013.01 - US); **F28F 1/16** (2013.01 - EP); **F28F 1/22** (2013.01 - EP); **F28F 1/30** (2013.01 - US); **F28F 19/006** (2013.01 - EP); **F28F 1/022** (2013.01 - EP); **F28F 1/128** (2013.01 - EP); **F28F 2210/08** (2013.01 - EP)

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Designated extension state (EPC)
BA ME

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KH MA MD TN

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