

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE APPARATUS

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)

ÉCHANGEUR DE CHALEUR ET APPAREIL À CYCLE FRIGORIFIQUE

Publication

**EP 4095476 B1 20240214 (EN)**

Application

**EP 20915558 A 20200123**

Priority

JP 2020002321 W 20200123

Abstract (en)

[origin: EP4095476A1] A heat exchanger includes a plurality of heat transfer tubes arranged at intervals in a first direction, and configured to circulate refrigerant in a second direction intersecting the first direction, and a refrigerant distributor connected to one end of each of the plurality of heat transfer tubes and configured to distribute the refrigerant to the plurality of heat transfer tubes. The refrigerant distributor includes, in its inside, a first flow path and a second flow path through which the refrigerant flows. The first flow path is formed so as to extend in the first direction, communicates with the plurality of heat transfer tubes, and is connected with an inflow tube configured to cause the refrigerant to flow into the refrigerant distributor. The second flow path is formed so as to extend in the first direction, with opposite ends thereof being connected with the first flow path, and is formed so as to be positioned in a third direction relative to the first flow path, when a direction intersecting a plane parallel to the first direction and to the second direction is defined as the third direction.

IPC 8 full level

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CPC (source: EP)

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