

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE PROVIDED WITH HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG MIT DEM WÄRMETAUSCHER

Title (fr)

ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION POURVU D'UN ÉCHANGEUR DE CHALEUR

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Application

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Abstract (en)

The title of the invention is a heat exchanger and a refrigeration cycle apparatus including the heat exchanger. A first pipe has an inflow port for a heat medium and an outflow port for the heat medium, the inflow port and the outflow port communicate with a first flow path. The first pipe includes a crest portion, which protrudes in a diameter-increasing direction in which a diameter of the first pipe is increased, and a trough portion having an outer diameter smaller than that of a part in which the crest portion is formed, and a second pipe is wound around the trough portion. The crest portion is formed in a helical shape in the first flow path in a direction in which the heat medium flows. The trough portion is formed in a helical shape along the crest portion. The trough portion includes a plurality of concave portions, which are formed so as to be aligned with each other in a helical direction that is a direction in which the trough portion is formed, and are recessed in a diameter-decreasing direction in which the diameter of the first pipe is increased.

IPC 8 full level

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