

Title (en)
HEAT EXCHANGER, HEAT EXCHANGER UNIT, AND REFRIGERATION CYCLE DEVICE

Title (de)
WÄRMETAUSCHER, WÄRMETAUSCHEREINHEIT UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
ÉCHANGEUR DE CHALEUR, UNITÉ D'ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 3845851 B1 20230301 (EN)

Application
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Priority
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Abstract (en)
[origin: EP3845851A1] A heat-exchanger, a heat-exchanger unit, and a refrigeration-cycle apparatus are provided that allow for improved pressure resistance of tubes through which refrigerant passes, reduced weight of heat transfer fins, and easy manufacture. The heat-exchanger includes a first flat-tube group, a second flat-tube group, and a fin. The first flat-tube group includes plural flat tubes each having a pipe axis, and the flat tubes included in the first flat-tube group are arranged in such a manner that the pipe axes of the flat tubes included in the first flat-tube group are arranged in parallel to each other. One of the flat tubes included in the first flat-tube group is a first flat tube. The second flat-tube group is provided adjacent to the first flat-tube group, the second flat-tube group includes plural flat tubes each having a pipe axis, and the flat tubes included in the second flat-tube group are arranged in such a manner that the pipe axes of the flat tubes included in the second flat-tube group are arranged in parallel to each other. One of the flat tubes included in the second flat-tube group is a second flat tube. The fin is provided to the first flat-tube group and the second flat-tube group. The fin includes a first portion connecting an end of a longitudinal axis of the first flat tube in a section perpendicular to the pipe axis of the first flat tube and an end of a longitudinal axis of the second flat tube in a section perpendicular to the pipe axis of the second flat tube.

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