

Title (en)

LAMINATE-TYPE HEAT EXCHANGER AND HEAT PUMP SYSTEM EQUIPPED WITH SAME

Title (de)

BESCHICHTETER WÄRMETAUSCHER UND WÄRMEPUMPENSYSYSTEM DAMIT

Title (fr)

ÉCHANGEUR DE CHALEUR DU TYPE STRATIFIÉ ET SYSTÈME DE POMPE À CHALEUR LE COMPORTANT

Publication

EP 2667136 A1 20131127 (EN)

Application

EP 11856572 A 20110118

Priority

JP 2011000222 W 20110118

Abstract (en)

To obtain a stacked heat exchanger in which the need to provide a step of bending heat exchanger pipes is eliminated and a space which cannot be utilized because of the provision of a header pipe is not produced, and also to obtain a heat pump system having the heat exchanger installed therein. A heat exchanger (10) is configured such that a plurality of rectangular first heat exchanger pipes (1) and a plurality of rectangular second heat exchanger pipes (2) are alternately stacked on each other. The first and second heat exchanger pipes (1 and 2) each have a refrigerant flow channel having a rectangular cross section through which a refrigerant flows. The first and second heat exchanger pipes (1 and 2) have substantially the same length in a direction in which refrigerants flow through the refrigerant flow channels and also have substantially the same width in the widthwise direction of the refrigerant flow channels.

IPC 8 full level

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