

Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE AIR CONDITIONER USING SAME

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUF-KLIMAANLAGE DAMIT

Title (fr)

ÉCHANGEUR DE CHALEUR ET CONDITIONNEUR D'AIR À CYCLE DE RÉFRIGÉRATION L'UTILISANT

Publication

EP 2980516 B1 20180131 (EN)

Application

EP 13880586 A 20130327

Priority

JP 2013058995 W 20130327

Abstract (en)

[origin: EP2980516A1] Provided is a heat exchanger (1), including: a parallel-flow-type heat exchange unit (3) including a plurality of heat exchange pipes (11, 13) each extending in an up-and-down direction, the parallel-flow-type heat exchange unit including at least a front row portion (7) and a back row portion (9), the front row portion and the back row portion each including the plurality of heat exchange pipes each extending in the up-and-down direction; and a plate fin-and-tube-type heat exchange unit (5) including a plurality of plate fins (25) each extending in the up-and-down direction, the plate fin-and-tube-type heat exchange unit being arranged in front of a lower portion of a front surface of the parallel-flow-type heat exchange unit. An outlet end of the plate fin-and-tube-type heat exchange unit and an inlet end of the parallel-flow-type heat exchange unit are connected to each other by a pipe.

IPC 8 full level

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CPC (source: EP)

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Cited by

US2022128245A1; EP3644002A4; US11175053B2; US11573056B2

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