

Title (en)  
HEAT EXCHANGER AND REFRIGERANT DEVICE HAVING HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER UND KÄLTEANLAGE MIT WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR ET DISPOSITIF RÉFRIGÉRANT COMPORTANT UN ÉCHANGEUR DE CHALEUR

Publication  
**EP 3748275 A1 20201209 (EN)**

Application  
**EP 18903461 A 20181225**

Priority  
• JP 2018015306 A 20180131  
• JP 2018047589 W 20181225

Abstract (en)  
This disclosure is to prevent or reduce accumulation of a liquid refrigerant. The outdoor heat exchanger (15) includes: a heat exchanging part (40) including a plurality of heat transfer tubes (41); a flow divider (90); and a plurality of second header internal space creating members (78) providing refrigerant flow paths between the heat exchanging part (40) and the flow divider (90). The flow divider (90) includes: an inflow/outflow pipe (91); a plurality of first thin tubes (93); and a flow divider main body (95) including a main body internal space (SP3) communicating with the inflow/outflow pipe (91) and first thin tubes (93) and causing the refrigerant from one of the inflow/outflow pipe (91) and first thin tubes (93) to flow into the other. The second header internal space creating members (78) each include a second header internal space (SP1) causing the refrigerant from one of its corresponding heat transfer tube (41) and first thin tube (93) to flow into the other. In the installation state, three or more second header internal spaces (SP1) are aligned vertically, and the number of heat transfer tubes (41) communicating with lower second header internal spaces (SC) is smaller than the number of heat transfer tubes (41) communicating with middle second header internal spaces (SB).

IPC 8 full level  
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