

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
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Application
EP 12851977 A 20121122

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Abstract (en)
[origin: EP2778595A1] A lower space (62) of a first header collecting pipe (60) of a heat exchanger (23) is, by partitions (80, 85, 90), divided into three communication chambers (62a-62c) and a single mixing chamber (63). The mixing chamber (63) communicates with the communication chamber (62a) through a through-hole (86) of a lower horizontal partition (85), communicates with the communication chamber (62b) through a through-hole (95) of a vertical partition (90), and communicates with the communication chamber (62c) through a through-hole (81) of an upper horizontal partition (80). Gas-liquid refrigerant flows into the mixing chamber (63), and is mixed in the mixing chamber (63). Then, the refrigerant is distributed to the communication chambers (62a-62c). Thus, the wetness of refrigerant flowing into a flat tube (32) is uniformized among the flat tubes (32), and performance of the heat exchanger (23) can be fully achieved.

IPC 8 full level
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Cited by
EP3208560A4; EP3006886A4; EP3208559A4; US11946676B2; US10907903B2; US10718554B2; US9845994B2; US10345047B2; US10520256B2

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