

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
APPAREIL ÉCHANGEUR DE CHALEUR

Publication
EP 2738507 B1 20190327 (EN)

Application
EP 12817270 A 20120719

Priority
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Abstract (en)
[origin: EP2738507A1] An economizer heat exchanger (6) comprises a header (61), a first flat porous tube (64a), and a second flat porous tube (64b). The header (61) has a first primary channel (62a1) and a second primary channel (62a2), a first refrigerant flowing through the first primary channel (62a1), and a second refrigerant flowing through the second primary channel (62a2). The first flat porous tube (64a) has a plurality of first refrigerant-channel holes (65a) through which the first refrigerant flows. The second flat porous tube (64b) has a plurality of second refrigerant-channel holes (65b) through which the second refrigerant flows. The header (61) has a tube-connecting member (63). The tube-connecting member (63) forms a first sub-channel (62c1) and a second sub-channel (62c2). The first sub-channel (62c1) allows the first primary channel (62a1) to be communicated with the first refrigerant-channel holes (65a). The second sub-channel (62c2) allows the second primary channel (62a2) to be communicated with the second refrigerant-channel holes (65b). The first flat porous tube (64a) and the second flat porous tube (64b) are in close contact to allow heat exchange between the first refrigerant and the second refrigerant.

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