

Title (en)
REFRIGERANT EVAPORATOR AND AIR-CONDITIONING DEVICE UTILIZING THE SAME

Title (de)
KÜHLMITTELVERDAMPFER UND KLIMAANLAGENVORRICHTUNG DAMIT

Title (fr)
ÉVAPORATEUR DE FRIGORIGÈNE ET DISPOSITIF DE CONDITIONNEMENT D'AIR L'UTILISANT

Publication
EP 2336702 A4 20140409 (EN)

Application
EP 09820598 A 20091014

Priority
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• JP 2008267478 A 20081016

Abstract (en)
[origin: EP2336702A1] A refrigerant evaporator (1), in which one of a plurality of blocks is a U-turn block portion (15), includes a plurality of refrigerant-distribution holes (4M, 5M), which communicate between first tank portions (6, 8) and second tank portions (7, 9), provided in the U-turn block portion (15) and in partition walls (4C, 5C) therein that partition the first tank portions (6, 8) and the second tank portions (7, 9) of top and bottom tanks (4, 5). For the refrigerant-distribution holes (4M, 5M), assuming the distance between the plurality of holes as b, the hole length in the hole-row direction as a, and the thickness of the partition wall as t, a/b is set to $a/b \geq 0.0697 \times t^2 + 0.3274 \times t + 0.4594$, where t = 1 to 2 mm.

IPC 8 full level
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Citation (search report)
• [IY] JP H0626780 A 19940204 - NIPPON DENSO CO
• [Y] WO 2008038948 A1 20080403 - KOREA DELPHI AUTOMOTIVE SYSTEM [KR], et al
• [Y] WO 2004059235 A1 20040715 - WINIAMANDO INC [KR], et al
• See references of WO 2010044420A1

Designated contracting state (EPC)
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