

Title (en)
REFRIGERANT CONDENSOR FOR A VEHICLE AIR CONDITIONER

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Application
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Abstract (en)
[origin: EP0401752A2] The invention relates to a condenser for a refrigerant of a vehicle air conditioner having ribbed heat-exchange tubes through which the refrigerant is guided in cross-flow with respect to incident ambient air, the heat-exchange tubes being arranged in a plurality of tube rows which are arranged one behind the other in the direction of incident flow of the ambient air and the respective heat-exchange tubes of which are connected in cross-counterflow, the tube rows being divided into a plurality of subassemblies (14, 16) which are arranged one behind the other in the direction of incident flow of the ambient air and the rib systems of which are decoupled as regards heat conduction, and the subassemblies (14, 16) being connected in series as regards the refrigerant, in counterflow to the direction of incident flow of the ambient air. According to the invention, adjacent subassemblies (14, 16) are connected mechanically via their rib system but the mean thermal conductivity λ_m in a connection zone between in each case two adjacent subassemblies (14, 16) is less than 20% of the thermal conductivity of the material of the rib system of the two adjacent subassemblies (14, 16). <IMAGE>

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• [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 257 (M-256)(1402) 16 November 1983, & JP-A-58 138986 (FUJI JUKOGYO) 18 August 1983,

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