

Title (en)  
Evaporator for vehicles air conditioning devices

Title (de)  
Verdampfer für Kfz-Klimaanlagen

Title (fr)  
Evaporateur pour système de climatisation de véhicules automobiles

Publication  
**EP 1382926 B1 20170510 (DE)**

Application  
**EP 03015967 A 20030714**

Priority  
DE 10231918 A 20020715

Abstract (en)  
[origin: EP1382926A1] The device has two parallel coolant channels, ribs between the channels exposed to air and at least one collection chamber. The evaporator is a block and its end area is the product of the height and breadth of the block. The flow channels are essentially horizontal and the collection chamber(s) are arranged for vertical flow. The ratio of width to height is greater than or equal to 2.5, preferably 3.5, and less than or equal to 6, preferably 5. The device has two parallel flow channels carrying coolant, ribs between the channels exposed to air and at least one collection chamber with coolant inlet and/or outlet openings. The evaporator is a block and its end area is the product of the height and breadth of the block. The flow channels are essentially horizontal and the collection chamber(s) are arranged for vertical flow. The ratio of width to height is greater than or equal to 2.5, preferably 3.5, and less than or equal to 6, preferably 5.

IPC 8 full level  
**F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)  
**F28D 1/05375** (2013.01); **F28F 9/0214** (2013.01)

Citation (examination)  
US 4679410 A 19870714 - DRAYER WILLIAM [US]

Designated contracting state (EPC)  
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