

Title (en)  
Vaporiser

Title (de)  
Verdampfer

Title (fr)  
Evaporateur

Publication  
**EP 2107328 B1 20120711 (DE)**

Application  
**EP 09004110 A 20090323**

Priority  
• DE 102008017113 A 20080402  
• DE 102008044673 A 20080828

Abstract (en)  
[origin: EP2107328A1] The evaporator has a set of plates (1) stacked parallel to one another in a vertical direction with openings (1a, 1b) that are aligned with one another for supply and return of fluid i.e. refrigerant. A heat-transferring area of the plates has a length (L) in a direction of refrigerant flow and a width (B). The ratio of the length to the width is not greater than 1.3. The refrigerant flows through flow passages (2) in a bank (4) comprising the flow passages of a type and another bank (5) comprising the flow passages following the former bank after a reversal of direction of the refrigerant. An independent claim is also included for a device for cooling a heat source of a motor vehicle.

IPC 8 full level  
**F28D 1/03** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)  
**F25B 39/022** (2013.01 - EP US); **F28D 1/0325** (2013.01 - EP US); **F28F 9/0209** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F28D 2021/0085** (2013.01 - EP US)

Cited by  
DE102012104520A1; DE102011008653A1; WO2012095531A1; US9093729B2; EP2565560A2; DE102011081886A1; US9121643B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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