

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)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2107328 A1 20091007; EP 2107328 B1 20120711; US 2009249810 A1 20091008

DOCDB simple family (application)
EP 09004110 A 20090323; US 41749109 A 20090402