

Title (en)

Heat exchanger for heating a motor vehicle

Title (de)

Wärmeübertrager zur Beheizung eines Kraftfahrzeuges

Title (fr)

Echangeur de chaleur pour le chauffage d'un véhicule automobile

Publication

**EP 2187157 B1 20190313 (DE)**

Application

**EP 09173650 A 20091021**

Priority

DE 102008058100 A 20081118

Abstract (en)

[origin: EP2187157A2] The heat exchanger (1) has multiple flow channels, where a heat carrier fluid flows through a primary side of the flow channels and air flows through a secondary side of the flow channels. The heat carrier fluid flow and the air flow are guided in the cross current flow. The flow channels are formed by a packet of disks (2), where a disk has two disk halves.

IPC 8 full level

**F28D 1/03** (2006.01)

CPC (source: EP)

**F28D 1/0341** (2013.01)

Citation (examination)

- JP S6213998 A 19870122 - SAKAE SANGYO KK
- FR 2866947 A1 20050902 - VALEO CLIMATISATION [FR]
- US 2001018968 A1 20010906 - KLINGLER DIETRICH [DE], et al
- EP 1247666 A1 20021009 - BEHR GMBH & CO [DE]

Cited by

CN107228582A; FR3068118A1; CN110998206A; FR2993354A1; US2016003128A1; US10145295B2; WO2018234450A1; WO2014009537A1; WO2018019174A1

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 SM TR

DOCDB simple family (publication)

**EP 2187157 A2 20100519; EP 2187157 A3 20131016; EP 2187157 B1 20190313**; CN 101738100 A 20100616; DE 102008058100 A1 20100520

DOCDB simple family (application)

**EP 09173650 A 20091021**; CN 200910221258 A 20091105; DE 102008058100 A 20081118