

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

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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