

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMEÜBERTRAGER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Application
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• EP 2008003784 W 20080509
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• DE 102007054481 A 20071113

Abstract (en)
[origin: WO2008141744A1] The invention relates to a heat exchanger (1), particularly for a heating or air conditioning system for motor vehicles, comprising at least one inlet channel and at least one outlet channel and at least one collector, which has at least two metal sheets or plates abutting each other, and a flow device, through which a first medium can flow, while a second medium can flow around said flow device. The first medium is distributed by an inlet channel (2) to the collector (12) and to the flow device (8) and can be conducted to an outlet channel (3), characterized in that at least one further channel (4) for distributing the coolant is provided, which is connected in a communicating manner via at least one opening (19) to the inlet channel.

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Citation (examination)
• US 5910167 A 19990608 - REINKE MICHAEL J [US], et al
• US 2005284621 A1 20051229 - KATOH YOSHIKI [JP], et al

Citation (opposition)
Opponent : Valeo Systèmes Thermiques
• EP 1300646 A2 20030409 - BEHR GMBH & CO [DE]
• US 2004026072 A1 20040212 - YI CHIN WON [US], et al
• WO 2005088219 A1 20050922 - OBRIST ENGINEERING GMBH [AT], et al
• WO 2006083443 A2 20060810 - CARRIER CORP [US], et al
• US 5910167 A 19990608 - REINKE MICHAEL J [US], et al
• US 2005284621 A1 20051229 - KATOH YOSHIKI [JP], et al
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• US 6199401 B1 20010313 - HAUSSMANN ROLAND [DE]

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CN102853572A; US2021260966A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102008023055 A1 20081127; BR PI0811928 A2 20141125; CN 101680689 A 20100324; CN 101680689 B 20121114; EP 2150757 A1 20100210; EP 2150757 B1 20181024; US 2010116474 A1 20100513; US 9759492 B2 20170912; WO 2008141744 A1 20081127

DOCDB simple family (application)
DE 102008023055 A 20080509; BR PI0811928 A 20080509; CN 200880016763 A 20080509; EP 08749432 A 20080509; EP 2008003784 W 20080509; US 61956609 A 20091116