

Title (en)
MOTOR VEHICLE AIR CONDITIONING SYSTEM

Title (de)
KRAFTFAHRZEUGKLIMAAANLAGE

Title (fr)
CLIMATISATION POUR VÉHICULE À MOTEUR

Publication
EP 2049859 A1 20090422 (DE)

Application
EP 07801424 A 20070712

Priority
• EP 2007006208 W 20070712
• DE 102006035994 A 20060802

Abstract (en)
[origin: WO2008014877A1] The invention relates to a heat exchanger for a motor vehicle air conditioning system, in particular a radiator device (1) for a motor vehicle air conditioning system, which heat exchanger (1) exhibits a first coolant box (10) and a second coolant box (12) that is distanced from the first coolant box (10), as well as multiple tubes (14) by means of which the flow between the first coolant box (10) and the second coolant box (12) is connected. Tubing spaces (42) for airflow are formed between these tubes (14), wherein the coolant boxes (10, 12), together with these flow tubes (14) that connect these coolant boxes (10, 12), are arranged so that an airflow can be formed in the tubing spaces (42) in a first section of the tube or tubing rib block (66) and, conversely, at the same time, an airflow can be formed in the tubing spaces (42) in a second section of this tube or tubing rib block (66), in both sections respectively, according to the operative counter-current heat exchange principle.

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F28D 1/05391 (2013.01); **F28F 9/0204** (2013.01); **F28D 2021/0096** (2013.01)

Citation (search report)
See references of WO 2008014877A1

Cited by
US9200822B2; WO2013176391A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008014877 A1 20080207; AT E510177 T1 20110615; DE 102006035994 A1 20080221; EP 2049859 A1 20090422; EP 2049859 B1 20110518

DOCDB simple family (application)
EP 2007006208 W 20070712; AT 07801424 T 20070712; DE 102006035994 A 20060802; EP 07801424 A 20070712