

Title (en)

HEAT EXCHANGER, ESPECIALLY GAS COOLER

Title (de)

WÄRMEÜBERTRAGER, INSBESONDERE GASKÜHLER

Title (fr)

ECHANGEUR THERMIQUE, NOTAMMENT REFROIDISSEUR DE GAZ

Publication

EP 1588115 B1 20090909 (DE)

Application

EP 03815365 A 20031107

Priority

- EP 0312467 W 20031107
- DE 10302412 A 20030121

Abstract (en)

[origin: WO2004065882A1] The invention relates to a heat exchanger, especially a gas cooler for a CO₂ coolant circuit of a motor vehicle air conditioning unit, comprising at least one collecting box that is divided into two longitudinal ducts by means of a longitudinal partition, and a series of flat tubes that are provided with ends which are accommodated within openings located in the collecting box and are fluidically connected to the longitudinal ducts.

IPC 8 full level

F28F 9/02 (2006.01); **F28D 1/053** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP US)

F28D 1/0535 (2013.01 - EP US); **F28F 9/0214** (2013.01 - EP US); **F28D 2021/0073** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004065882 A1 20040805; AT E442565 T1 20090915; AU 2003303762 A1 20040813; BR 0318023 A 20051206; CN 100573021 C 20091223; CN 1738999 A 20060222; DE 10302412 A1 20040729; DE 50311904 D1 20091022; EP 1588115 A1 20051026; EP 1588115 B1 20090909; JP 2006513392 A 20060420; US 2006054313 A1 20060316

DOCDB simple family (application)

EP 0312467 W 20031107; AT 03815365 T 20031107; AU 2003303762 A 20031107; BR 0318023 A 20031107; CN 200380108897 A 20031107; DE 10302412 A 20030121; DE 50311904 T 20031107; EP 03815365 A 20031107; JP 2004566754 A 20031107; US 54271105 A 20050720