

Title (en)
REFRIGERANT CONDENSER ASSEMBLY

Title (de)
KÄLTEMITTELKONDENSATORBAUGRUPPE

Title (fr)
MODULE DE CONDENSEUR DE FLUIDE RÉFRIGÉRANT

Publication
EP 2699865 A1 20140226 (DE)

Application
EP 12717097 A 20120419

Priority
• DE 102011007701 A 20110419
• EP 2012057137 W 20120419

Abstract (en)
[origin: WO2012143429A1] A refrigerant condenser assembly (1) for a motor vehicle air conditioning system, comprising a collecting reservoir (2) that has an inlet opening for introducing the refrigerant into the collecting reservoir (2) and an outlet opening for discharging the refrigerant from the collecting reservoir (2), a coolant-cooled condensing heat exchanger (4) in a stacked-plate design for condensing the refrigerant, having a first fluid channel for conducting the refrigerant and a second fluid channel for conducting the coolant and having an inlet opening and an outlet opening for introducing and discharging the refrigerant and an inlet opening and an outlet opening for introducing and discharging the coolant, preferably a coolant-cooled subcooling heat exchanger (5) in a stacked-plate design for subcooling the refrigerant, having a first fluid channel for conducting the refrigerant and a second fluid channel for conducting the coolant and having an inlet opening and an outlet opening for introducing and discharging the refrigerant and an inlet opening and an outlet opening for introducing and discharging the coolant, should require little installation space and be easy to adapt to different geometric requirements of the available installation space. Said aim is achieved in that the stacked plates (6) of the condensing heat exchanger (4) and the stacked plates (6) of the subcooling heat exchanger (5) are oriented substantially at a right angle to each other and/or the stacked plates (6) of the condensing heat exchanger (4) and/or the stacked plates (6) of the subcooling heat exchanger (5) are oriented substantially at a right angle to a center axis (3) of the collecting reservoir (2).

IPC 8 full level
F28D 9/00 (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP)
B60H 1/00342 (2013.01); **B60H 1/3229** (2013.01); **F25B 39/04** (2013.01); **F28D 9/005** (2013.01); **F28D 9/0093** (2013.01); **F28F 9/0075** (2013.01); **F25B 40/02** (2013.01); **F25B 2339/044** (2013.01); **F25B 2339/047** (2013.01)

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011007701 A1 20121025; EP 2699865 A1 20140226; WO 2012143429 A1 20121026

DOCDB simple family (application)
DE 102011007701 A 20110419; EP 12717097 A 20120419; EP 2012057137 W 20120419