

Title (en)
HEAT EXCHANGER UNIT AND COOLING SYSTEM HAVING A HEAT EXCHANGER UNIT

Title (de)
WÄRMETAUSCHEREINHEIT UND KÄLTEANLAGE MIT EINER WÄRMETAUSCHEREINHEIT

Title (fr)
ENSEMBLE D'ÉCHANGEURS DE CHALEUR ET INSTALLATION FRIGORIFIQUE COMPRENANT UN ENSEMBLE D'ÉCHANGEURS DE CHALEUR

Publication
EP 3426997 A1 20190116 (DE)

Application
EP 16709427 A 20160310

Priority
EP 2016055205 W 20160310

Abstract (en)
[origin: WO2017152986A1] The invention relates to a heat exchanger unit for a cooling system guiding a coolant in a coolant circuit, wherein the heat exchanger unit has a heat-emitting heat exchanger with a heat-emitting flow path for the coolant and a heat-receiving flow path for a second heat transportation medium, and a heat-receiving heat exchanger with a heat-receiving flow path for the coolant and a heat-emitting flow path for a first heat exchanger medium, wherein the heat exchanger unit is formed in a stacked construction and has structure layers and cover layers alternating in a stacking direction, wherein the structure layers determine a course of the flow paths for the coolant or the heat transportation medium transverse to the stacking direction and the cover layers cover and limit the flow paths in the stacking direction, and wherein at least one of the flow paths for the coolant runs in at least one of the structure layers and at least one of the flow paths for one of the heat transport media runs in at least one of the other structure layers.

IPC 8 full level
F28D 9/00 (2006.01)

CPC (source: EP)
F28D 9/0093 (2013.01)

Citation (search report)
See references of WO 2017152986A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017152986 A1 20170914; EP 3426997 A1 20190116

DOCDB simple family (application)
EP 2016055205 W 20160310; EP 16709427 A 20160310