

Title (en)
HEAT EXCHANGING DEVICE

Title (de)
WÄRMETAUSCHVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCHANGE DE CHALEUR

Publication
EP 3102903 A1 20161214 (DE)

Application
EP 14816136 A 20141219

Priority
• DE 102014001703 A 20140208
• EP 2014003446 W 20141219

Abstract (en)
[origin: WO2015117635A1] A heat exchanging device (2), in particular a fluid/air heat exchanger, having individual fluid-conducting collecting chambers (6, 10) which in each case have an inlet (8) or outlet (12) for fluid supply and discharge and which are connected to one another via duct-like fluid guides (14) which control the temperature of, in particular cool, a fluid flow during operation of the device by means of an air flow which flows in duct-like air guides which are separated from the fluid guides (14) in a medium-tight manner, is characterized in that, in order to construct the overall heat exchanging device (2), at least one further collecting chamber (18; 20, 22) is inserted between collecting chambers (6, 10) which are arranged on outer sides which lie opposite one another, which further collecting chamber (18; 20, 22) is arranged parallel to the collecting chambers (6, 10) which lie on the outside, and into which further collecting chamber (18; 20, 22) all the fluid guides (14) which are connected to a collecting chamber (6, 10) which lies on the outside likewise open.

IPC 8 full level
F28F 9/02 (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)
F28D 1/024 (2013.01 - US); **F28D 1/0443** (2013.01 - EP US); **F28D 1/05333** (2013.01 - EP US); **F28D 1/05375** (2013.01 - US); **F28D 1/05383** (2013.01 - EP US); **F28F 9/02** (2013.01 - EP US); **F28D 1/0417** (2013.01 - US); **F28D 1/0452** (2013.01 - US)

Citation (search report)
See references of WO 2015117635A1

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)
DE 102014001703 A1 20150813; BR 112016017371 A2 20170808; BR 112016017371 B1 20210105; CN 106133471 A 20161116; CN 106133471 B 20190723; DK 3102903 T3 20181119; EP 3102903 A1 20161214; EP 3102903 B1 20180829; ES 2699881 T3 20190213; US 10295264 B2 20190521; US 2016341482 A1 20161124; WO 2015117635 A1 20150813

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