

Title (en)

DISTRIBUTOR FOR USE IN A VAPOR COMPRESSION SYSTEM

Title (de)

VERTEILER ZUR VERWENDUNG IN EINEM DAMPFKOMPRESSIONSSYSTEM

Title (fr)

DISTRIBUTEUR À UTILISER DANS UN SYSTÈME DE COMPRESSION DE VAPEUR

Publication

EP 3004755 A1 20160413 (EN)

Application

EP 13792126 A 20131030

Priority

- US 201313912634 A 20130607
- US 2013067373 W 20131030

Abstract (en)

[origin: WO2014197002A1] A distributor (142) for use in a vapor compression system (14) includes an enclosure (144) configured to be positioned in a heat exchanger (38) having a tube bundle (78) including a plurality of tubes extending substantially horizontally in the heat exchanger (38). At least one distribution device (146) formed in an end (148) of the enclosure (144) positioned to face the tube bundle (78), the at least one distribution device (146) configured to apply a fluid entering the distributor (142) onto the tube bundle (78). The enclosure (144) has an aspect ratio between about 1/2:1 and about 10:1.

IPC 8 full level

F25B 39/02 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

F25B 39/028 (2013.01); **F28D 1/0206** (2013.01); **F28D 3/04** (2013.01); **F28D 5/02** (2013.01); **F25B 2339/0242** (2013.01); **F28D 2021/0071** (2013.01)

Citation (search report)

See references of WO 2014197002A1

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 2014197002 A1 20141211; CN 105408703 A 20160316; CN 105408703 B 20170901; EP 3004755 A1 20160413; EP 3004755 B1 20200325; JP 2016520792 A 20160714; JP 6246341 B2 20171213; KR 101924344 B1 20181203; KR 20160017069 A 20160215; TW 201447198 A 20141216; TW I586926 B 20170611

DOCDB simple family (application)

US 2013067373 W 20131030; CN 201380077235 A 20131030; EP 13792126 A 20131030; JP 2016518312 A 20131030; KR 20167000277 A 20131030; TW 102141060 A 20131112