

Title (en)  
TUBE PATTERN FOR A REFRIGERATOR EVAPORATOR

Title (de)  
ROHRSTRUKTUR FÜR EINEN KÜHLSCHRANKVERDAMPFER

Title (fr)  
MODÈLE DE TUBE POUR ÉVAPORATEUR DE RÉFRIGÉRATEUR

Publication  
**EP 3117162 A4 20171129 (EN)**

Application  
**EP 15761103 A 20150311**

Priority  

- US 201461950916 P 20140311
- US 201514643065 A 20150310
- US 2015019870 W 20150311

Abstract (en)  
[origin: WO2015138553A1] A tube pattern for a refrigerator evaporator including tubes in the tube pattern that are staggered in air flow, and an outer diameter of the tubes is in the range of 6.5mm to 7.5mm.

IPC 8 full level  
**F25D 19/00** (2006.01); **F25B 39/02** (2006.01)

CPC (source: EP US)  
**F25B 39/00** (2013.01 - US); **F25B 39/02** (2013.01 - EP US); **F28D 1/0477** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F28D 2021/0071** (2013.01 - EP US); **F28F 1/32** (2013.01 - EP US)

Citation (search report)  

- [X] EP 2031335 A2 20090304 - LG ELECTRONICS INC [KR]
- [X] EP 2498039 A1 20120912 - DAIKIN IND LTD [JP]
- [IA] EP 2322892 A1 20110518 - SANDEN CORP [JP]
- [IA] US 2009199585 A1 20090813 - OGAWA OSAMU [JP], et al
- [IA] US 20111113820 A1 20110519 - LEE SANGMU [JP], et al
- [IA] JP 2003279282 A 20031002 - TOSHIBA CARRIER KK
- [IA] JP 2006234264 A 20060907 - MITSUBISHI ELECTRIC CORP
- [IA] US 2004206490 A1 20041021 - KATOH YOSHIKI [JP], et al
- [A] US 2012285190 A1 20121115 - LEE SANGMU [JP], et al
- See references of WO 2015138553A1

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)  
**WO 2015138553 A1 20150917**; BR 112016014400 A2 20170808; EP 3117162 A1 20170118; EP 3117162 A4 20171129; MX 2016010921 A 20170427; US 2015323230 A1 20151112

DOCDB simple family (application)  
**US 2015019870 W 20150311**; BR 112016014400 A 20150311; EP 15761103 A 20150311; MX 2016010921 A 20150311; US 201514643065 A 20150310