

Title (en)  
AIR CONDITIONING DEVICE

Title (de)  
KLIMATISIERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CLIMATISATION

Publication  
**EP 3779318 A4 20210331 (EN)**

Application  
**EP 18914221 A 20180411**

Priority  
JP 2018015224 W 20180411

Abstract (en)  
[origin: US2020400354A1] An air-conditioning apparatus includes a housing, an evaporator, a condenser, and a water sprinkler for sprinkling condensed water to the condenser, the condensed water having been generated at the evaporator. The condenser includes a first header and a second header arranged parallel to each other, a first heat transfer tube and a second heat transfer tube that are arranged parallel to each other and are arranged between the first header and the second header, and a fin disposed between the first heat transfer tube and the second heat transfer tube.

IPC 8 full level  
**F24F 13/22** (2006.01); **F24F 1/022** (2019.01); **F25B 39/04** (2006.01); **F28F 1/30** (2006.01); **F28F 21/08** (2006.01); **F28F 25/00** (2006.01)

CPC (source: EP US)  
**F24F 1/022** (2013.01 - EP); **F24F 1/032** (2019.01 - EP); **F24F 13/22** (2013.01 - EP); **F24F 13/222** (2013.01 - US); **F25B 39/00** (2013.01 - US); **F25B 39/04** (2013.01 - EP); **F28D 1/024** (2013.01 - EP); **F28D 1/05366** (2013.01 - EP); **F28D 5/00** (2013.01 - EP); **F24F 2013/225** (2013.01 - US); **F25B 2339/041** (2013.01 - EP); **F28D 2021/0068** (2013.01 - EP); **F28F 1/32** (2013.01 - US); **F28F 21/084** (2013.01 - US); **F28F 25/06** (2013.01 - EP); **F28F 2009/0285** (2013.01 - EP)

Citation (search report)

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- [Y] JP 2016050719 A 20160411 - FUJITSU GENERAL LTD
- [Y] JP 2010038439 A 20100218 - SHARP KK
- [Y] JP S5055743 U 19750527
- [A] WO 2018047511 A1 20180315 - MITSUBISHI ELECTRIC CORP [JP]
- [A] KR 20150089818 A 20150805 - SAMSUNG ELECTRONICS CO LTD [KR]
- See references of WO 2019198174A1

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)  
**US 2020400354 A1 20201224**; CN 111919072 A 20201110; EP 3779318 A1 20210217; EP 3779318 A4 20210331; JP 6972314 B2 20211124; JP WO2019198174 A1 20210212; WO 2019198174 A1 20191017

DOCDB simple family (application)  
**US 201816975835 A 20180411**; CN 201880091370 A 20180411; EP 18914221 A 20180411; JP 2018015224 W 20180411; JP 2020512992 A 20180411