

Title (en)
AIR-CONDITIONING INDOOR UNIT

Title (de)
KLIMAAANLAGEN-INNENRAUMEINHEIT

Title (fr)
UNITÉ DE CLIMATISATION D'INTÉRIEUR

Publication
EP 3604969 A4 20200401 (EN)

Application
EP 18775577 A 20180306

Priority
• JP 2017061205 A 20170327
• JP 2018008552 W 20180306

Abstract (en)
[origin: EP3604969A1] An air-conditioning indoor unit having high heat exchange performance is provided. In an air-conditioning indoor unit (4), when a heat exchanger unit (42) is used as a condenser, at least a part of a subcooling area (Sc1, Sc2) of the heat exchanger unit (42) is disposed at a position that is lower than an upper end (40u) of a wall portion (40w) of a drain pan (40).

IPC 8 full level
F28D 1/053 (2006.01); **F24F 1/00** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0325** (2019.01); **F24F 13/22** (2006.01); **F24F 13/30** (2006.01); **F25B 39/00** (2006.01); **F28D 1/047** (2006.01); **F28F 9/02** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP US)
F24F 1/0014 (2013.01 - US); **F24F 1/0047** (2019.02 - US); **F24F 1/0063** (2019.02 - EP); **F24F 1/0067** (2019.02 - US); **F24F 1/0325** (2019.02 - EP); **F24F 13/222** (2013.01 - EP US); **F24F 13/30** (2013.01 - EP)

Citation (search report)
• [X1] JP 2012063089 A 20120329 - SHARP KK
• [X1] WO 2016071953 A1 20160512 - MITSUBISHI ELECTRIC CORP [JP]
• [I] US 2013092355 A1 20130418 - DOUGLAS JONATHAN DAVID [US], et al
• [I] EP 1798490 A1 20070620 - MITSUBISHI ELECTRIC CORP [JP]

Citation (examination)
• US 9360259 B2 20160607 - ORITANI YOSHIO [JP], et al
• US 2015059400 A1 20150305 - OKAZAKI TAKASHI [JP], et al
• See also references of WO 2018180279A1

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)
EP 3604969 A1 20200205; **EP 3604969 A4 20200401**; CN 110462296 A 20191115; CN 110462296 B 20210528; JP WO2018180279 A1 20191219; US 2020232656 A1 20200723; WO 2018180279 A1 20181004

DOCDB simple family (application)
EP 18775577 A 20180306; CN 201880021529 A 20180306; JP 2018008552 W 20180306; JP 2019509106 A 20180306; US 201816488348 A 20180306