

Title (en)
REFRIGERATION CYCLE APPARATUS

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
APPAREIL À CYCLE DE RÉFRIGÉRATION

Publication
EP 3770517 A4 20210512 (EN)

Application
EP 19772596 A 20190314

Priority
• JP 2018050336 A 20180319
• JP 2019010443 W 20190314

Abstract (en)
[origin: EP3770517A1] An air conditioner includes: a refrigeration cycle circuit that includes compressor (16), outdoor heat exchanger (15), an expander, and an indoor heat exchanger and in which a working medium containing 1,1,2-trifluoroethylene is sealed; and outdoor unit (12) including at least compressor (16) and outdoor heat exchanger (15). Outdoor unit (12) includes compressor housing space (123) housing compressor (16), and communicating part (129) communicating compressor housing space (123) with an exterior of outdoor unit (12).

IPC 8 full level
F24F 1/10 (2011.01); **F24F 1/46** (2011.01); **F24F 1/48** (2011.01); **F24F 1/56** (2011.01); **F25B 1/00** (2006.01); **F25B 31/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)
F24F 1/10 (2013.01 - EP); **F24F 1/46** (2013.01 - EP); **F24F 1/48** (2013.01 - EP US); **F24F 1/56** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 31/006** (2013.01 - EP); **F25B 49/02** (2013.01 - EP); **F24F 11/36** (2017.12 - EP); **F25B 2313/0314** (2013.01 - EP); **F25B 2400/12** (2013.01 - EP)

Citation (search report)
• [XY] WO 2017145713 A1 20170831 - ASAHI GLASS CO LTD [JP]
• [Y] JP 2008157587 A 20080710 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] WO 2015136979 A1 20150917 - MITSUBISHI ELECTRIC CORP [JP], et al
• [A] EP 2711405 A1 20140326 - ASAHI GLASS CO LTD [JP]
• [A] EP 2711407 A1 20140326 - ASAHI GLASS CO LTD [JP]
• See references of WO 2019181710A1

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 3770517 A1 20210127; **EP 3770517 A4 20210512**; CN 111868447 A 20201030; JP 2019163864 A 20190926; JP 7149494 B2 20221007; WO 2019181710 A1 20190926

DOCDB simple family (application)
EP 19772596 A 20190314; CN 201980019922 A 20190314; JP 2018050336 A 20180319; JP 2019010443 W 20190314