

Title (en)
INDOOR AIR CONDITIONER

Title (de)
INNENRAUMKLIMAANLAGE

Title (fr)
CLIMATISEUR D'AIR INTÉRIEUR

Publication
EP 2829814 A4 20150429 (EN)

Application
EP 13763673 A 20130213

Priority
• JP 2012066673 A 20120323
• JP 2013053330 W 20130213

Abstract (en)
[origin: EP2829814A1] A heat exchanger 13 that is a heavy object is supported by a first frame 17. The first frame 17 that supports the heat exchanger 13 is fixed to an installation-side wall 45 without involving a second frame 27. That is, the first frame 17 is configured as a result of heat exchanger support portions 17h that support the heat exchanger 13 that is a heavy object and a mounting portion 17d that is directly fixed to the installation-side wall 45 being integrally formed. Thus, compared to a case where the frame that supports the heavy object and the frame that is fixed to the installation-side wall 45 are separately formed, there is no longer the weakness in the coupled section where the separate frames are coupled together, and the strength of the first frame 17 can be enhanced.

IPC 8 full level
F24F 13/20 (2006.01); **F24F 1/0057** (2019.01); **F24F 1/0063** (2019.01); **F24F 13/30** (2006.01); **F24F 13/32** (2006.01)

CPC (source: EP US)
F24F 1/0057 (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP); **F24F 13/30** (2013.01 - EP); **F24F 13/32** (2013.01 - EP)

Citation (search report)
• [X] JP 2002195599 A 20020710 - FUJITSU GENERAL LTD
• [X] WO 2007136202 A1 20071129 - LG ELECTRONICS INC [KR], et al
• [X] EP 1726888 A1 20061129 - LG ELECTRONICS INC [KR]
• [A] WO 2004020913 A1 20040311 - RIZZONELLI ROSELLA [IT]
• [AD] JP 2001116346 A 20010427 - FUJITSU GENERAL LTD
• See references of WO 2013140895A1

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EP4317827A4

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 2829814 A1 20150128; EP 2829814 A4 20150429; EP 2829814 B1 20170607; CN 104204687 A 20141210; CN 104204687 B 20160120; ES 2628923 T3 20170804; JP 2013195048 A 20130930; JP 5447567 B2 20140319; KR 101511007 B1 20150410; KR 20140127373 A 20141103; RU 2557489 C1 20150720; WO 2013140895 A1 20130926

DOCDB simple family (application)
EP 13763673 A 20130213; CN 201380015616 A 20130213; ES 13763673 T 20130213; JP 2012066673 A 20120323; JP 2013053330 W 20130213; KR 20147029294 A 20130213; RU 2014142691 A 20130213