

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2615388 A4 20160615 (EN)

Application
EP 11823167 A 20110304

Priority
• JP 2010202483 A 20100909
• JP 2011001292 W 20110304

Abstract (en)
[origin: EP2615388A1] An air conditioner that includes an outdoor heat exchanger 14, an indoor heat exchanger 16, a four-way valve 8, and a compressor 6 and that melts frost, deposited on the outdoor heat exchanger 14, by refrigerant heated by the compressor 6 has indoor wall temperature detecting means 46 for detecting temperature of a wall in a room, and defrosting means for performing defrosting by selecting either a heating cycle or a cooling cycle on the basis of the indoor wall temperature detected by the indoor wall temperature detecting means 46 and controlling the four-way valve 8 so as to allow the selected cycle to be performed, when it is determined that the defrosting is required.

IPC 8 full level
F24F 11/02 (2006.01); **F24F 1/00** (2011.01); **F24F 11/00** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP KR US)
F24F 1/0003 (2013.01 - EP KR); **F24F 11/30** (2017.12 - EP); **F24F 11/42** (2017.12 - EP KR US); **F24F 11/62** (2017.12 - EP KR US); **F25B 47/025** (2013.01 - EP KR); **F24F 2110/00** (2017.12 - EP); **F24F 2110/10** (2017.12 - KR); **F24F 2120/10** (2017.12 - EP KR); **F25B 2400/24** (2013.01 - EP KR); **F25B 2700/2104** (2013.01 - EP KR)

Citation (search report)
• [A] US 5931009 A 19990803 - CHOI KWI-JU [KR]
• See references of WO 2012032681A1

Cited by
EP3093586A4; CN108603706A; EP3412992A4

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)
EP 2615388 A1 20130717; **EP 2615388 A4 20160615**; **EP 2615388 B1 20171018**; BR 112013005113 A2 20160426; CN 103097824 A 20130508; JP 2012057877 A 20120322; JP 5210364 B2 20130612; KR 20130103712 A 20130924; WO 2012032681 A1 20120315

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