

Title (en)
AIR CONDITIONING APPARATUS

Title (de)
KLIMAANLAGE

Title (fr)
ÉQUIPEMENT DE CLIMATISATION

Publication
EP 2615389 A4 20160309 (EN)

Application
EP 11823168 A 20110304

Priority
• JP 2010202486 A 20100909
• JP 2011001293 W 20110304

Abstract (en)
[origin: EP2615389A1] An air conditioner includes an outdoor heat exchanger 14, an indoor heat exchanger 16, a four-way valve 8, and a compressor 6, and performs defrosting by melting frost deposited on the outdoor heat exchanger 14 with a refrigerant heated by the compressor 6. The air conditioner further includes an indoor fan 34 for blowing air heated by the indoor heat exchanger 16 into a room, and defrosting means for, upon decision that defrosting is required, performing the defrosting by controlling the four-way valve 8 so as to allow a heating cycle to be performed while controlling the indoor fan 34 so as to keep air blown into the room.

IPC 8 full level
F24F 11/02 (2006.01); **F24F 1/00** (2011.01); **F24F 11/00** (2006.01); **F25B 13/00** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
• [XA] JP 2002286273 A 20021003 - MITSUBISHI ELECTRIC CORP
• [XA] JP H109725 A 19980116 - HITACHI LTD, et al
• [XA] CN 101344340 A 20090114 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• See references of WO 2012032682A1

Cited by
EP3591301A4; EP3483528A4; US11306936B2

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

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EP 2615389 A1 20130717; EP 2615389 A4 20160309; EP 2615389 B1 20180815; BR 112013005119 B1 20201229; CN 103097825 A 20130508; CN 103097825 B 20151216; JP 2012057878 A 20120322; JP 5249293 B2 20130731; KR 20130137136 A 20131216; WO 2012032682 A1 20120315

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