

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
DISPOSITIF DE CONDITIONNEMENT D'AIR

Publication
EP 2330359 A4 20121003 (EN)

Application
EP 09814275 A 20090915

Priority
• JP 2009004591 W 20090915
• JP 2008236100 A 20080916
• JP 2008236101 A 20080916

Abstract (en)
[origin: EP2330359A1] An air conditioner includes a compressor 1, a four-way valve 2, an indoor heat exchanger 3, a pressure reducing device 4, and an outdoor heat exchanger 5, all connected in series via a refrigerant circuit to define a heat pump refrigerating cycle. The air conditioner also includes an indoor fan 3 for exchanging heat between the indoor heat exchanger 3 and indoor air, an outdoor fan 8 for exchanging heat between the outdoor heat exchanger 5 and outdoor air, and an outdoor temperature sensor 6 for detecting an outdoor temperature. When the outdoor temperature detected by the outdoor temperature sensor 6 is greater than or equal to a predetermined temperature, the compressor is stopped, and the outdoor fan is operated to defrost the outdoor heat exchanger 5.

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

CPC (source: EP US)
F24F 11/30 (2017.12 - EP); **F24F 11/42** (2017.12 - EP US); **F25B 13/00** (2013.01 - EP); **F25D 21/125** (2013.01 - EP);
F24F 2110/12 (2017.12 - EP); **F25B 2313/02741** (2013.01 - EP); **F25B 2313/0294** (2013.01 - EP); **F25B 2313/0315** (2013.01 - EP);
F25B 2600/0251 (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP); **F25B 2700/2106** (2013.01 - EP)

Citation (search report)
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• [X] EP 1855064 A1 20071114 - DAIKIN IND LTD [JP]
• [A] WO 2007097513 A2 20070830 - LG ELECTRONICS INC [KR], et al
• [A] JP 2007232327 A 20070913 - SHARP KK
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Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2330359 A1 20110608; EP 2330359 A4 20121003; CN 102159901 A 20110817; CN 102159901 B 20130724; JP 5363492 B2 20131211;
JP WO2010032430 A1 20120202; WO 2010032430 A1 20100325

DOCDB simple family (application)
EP 09814275 A 20090915; CN 200980136398 A 20090915; JP 2009004591 W 20090915; JP 2010529621 A 20090915