

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 3412992 A4 20190213 (EN)**

Application  
**EP 16889293 A 20160205**

Priority  
JP 2016053458 W 20160205

Abstract (en)

[origin: EP3412992A1] An air-conditioning apparatus includes a refrigerant circuit in which a compressor, a flow switching device, an outdoor heat exchanger, an expansion device, and an indoor heat exchanger are connected by pipes and through which refrigerant flows, and a control device controlling an operation of the refrigerant circuit to perform switching between a heating operation and a defrosting operation. The control device includes a determination unit that determines, based on operation information regarding the refrigerant circuit, during the heating operation, whether to change a requirement for starting the defrosting operation, a changing unit that changes the requirement for starting the defrosting operation in accordance with a result of determination by the determination unit, and a switching unit that, when the requirement for starting the defrosting operation is satisfied, causes the flow switching device to perform switching to start the defrosting operation.

IPC 8 full level  
**F25B 47/02** (2006.01); **F24F 11/41** (2018.01); **F24F 120/10** (2018.01)

CPC (source: EP US)  
**F24F 11/41** (2018.01 - EP US); **F24F 11/89** (2018.01 - EP US); **F25B 47/02** (2013.01 - EP US); **F25B 47/025** (2013.01 - US);  
**F24F 2120/10** (2018.01 - EP US); **F25B 2600/01** (2013.01 - US); **F25B 2700/171** (2013.01 - US); **F25B 2700/2106** (2013.01 - US)

Citation (search report)

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- See also references of WO 2017134807A1

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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 3412992 A1 20181212; EP 3412992 A4 20190213; EP 3412992 B1 20240605;** CN 108603706 A 20180928; CN 108603706 B 20210323;  
JP 6611829 B2 20191127; JP WO2017134807 A1 20180913; US 2018356138 A1 20181213; WO 2017134807 A1 20170810

DOCDB simple family (application)

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