

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3062031 A4 20170621 (EN)

Application
EP 13895977 A 20131024

Priority
JP 2013078779 W 20131024

Abstract (en)
[origin: EP3062031A1] An air-conditioning apparatus 100 includes a first gas bypass pipe 5 branching off from a pipe on a discharge side of a compressor 10 and allowing refrigerant to flow into a defrosting-target heat source side heat exchanger 12 of a plurality of heat source side heat exchangers 12, a second gas bypass pipe 7 branching off from the pipe on the discharge side of the compressor 10 and allowing the refrigerant to flow into an accumulator 13, a plurality of first opening and closing devices 30, arranged in the first gas bypass pipe 5, permitting or stopping the flow of the refrigerant through the first gas bypass pipe 5, and at least one second opening and closing device 35, disposed in the second gas bypass pipe 7, permitting or stopping the flow of the refrigerant through the second gas bypass pipe 7.

IPC 8 full level
F24F 11/00 (2006.01); **F24F 11/02** (2006.01); **F24F 13/30** (2006.01); **F25B 13/00** (2006.01); **F25B 41/04** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP US)
F24F 11/30 (2017.12 - EP US); **F24F 11/42** (2017.12 - EP US); **F24F 13/30** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 41/20** (2021.01 - EP US); **F25B 41/24** (2021.01 - EP US); **F25B 47/022** (2013.01 - EP); **F24F 11/41** (2017.12 - EP); **F25B 2313/005** (2013.01 - EP); **F25B 2313/0251** (2013.01 - EP); **F25B 2313/0314** (2013.01 - EP); **F25B 2313/0315** (2013.01 - EP); **F25B 2600/0261** (2013.01 - EP)

Citation (search report)

- [IA] EP 2378215 A1 20111019 - MITSUBISHI ELECTRIC CORP [JP]
- [I] JP 2011163708 A 20110825 - TOSHIBA CARRIER CORP
- See references of WO 2015059792A1

Cited by
CN106918122A; EP3647672A4; CN107940876A; CN106594964A; EP4006441A4; CN106871382A; CN107023944A; CN115031439A

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 3062031 A1 20160831; **EP 3062031 A4 20170621**; **EP 3062031 B1 20200812**; JP 5992112 B2 20160914; JP WO2015059792 A1 20170309; WO 2015059792 A1 20150430

DOCDB simple family (application)
EP 13895977 A 20131024; JP 2013078779 W 20131024; JP 2015543648 A 20131024