

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2515055 A4 20161026 (EN)**

Application  
**EP 09852226 A 20091215**

Priority  
JP 2009006878 W 20091215

Abstract (en)  
[origin: EP2515055A1] To provide an air-conditioning apparatus that can prevent the formation of frost on indoor-side heat exchangers functioning as an evaporator even when the outside air temperature is low, and can use unmodified normal indoor units even when a portion of the indoor units is used in a place that has a large sensible heat load. An air-conditioning apparatus 100 capable of simultaneous heating and cooling operation includes a heat source unit A, a plurality of indoor units B, C, and D, and a relay unit E that connects the heat source unit A to the indoor units B, C, and D. A flow control unit 31 that controls a flow amount of a refrigerant that flows through the indoor units that are in cooling operation is provided to a piping (a first connecting piping 21) on the downstream side of a merging section (a first branching unit 10) of a piping through which flows the refrigerant that flows out from the indoor units that are in cooling operation.

IPC 8 full level  
**F25B 29/00** (2006.01); **F24F 11/02** (2006.01); **F25B 1/00** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP US)  
**F24F 3/06** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 47/006** (2013.01 - EP US); **F25B 2313/006** (2013.01 - EP US); **F25B 2313/0231** (2013.01 - EP US); **F25B 2313/0272** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F25B 2600/2513** (2013.01 - EP US)

Citation (search report)

- [XA] JP H05187739 A 19930727 - MITSUBISHI ELECTRIC CORP
- [XA] JP H04327768 A 19921117 - MITSUBISHI ELECTRIC CORP
- [XA] EP 0575063 A1 19931222 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP H06323637 A 19941125 - MITSUBISHI HEAVY IND LTD
- See references of WO 2011074028A1

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 2515055 A1 20121024; EP 2515055 A4 20161026; EP 2515055 B1 20180425**; JP 5734205 B2 20150617; JP WO2011074028 A1 20130425; US 2012285675 A1 20121115; WO 2011074028 A1 20110623

DOCDB simple family (application)  
**EP 09852226 A 20091215**; JP 2009006878 W 20091215; JP 2011545843 A 20091215; US 200913511921 A 20091215