

Title (en)

AIR CONDITIONER

Title (de)

KLIMAANLAGE

Title (fr)

CONDITIONNEUR D'AIR

Publication

EP 1965150 A4 20140702 (EN)

Application

EP 06834561 A 20061213

Priority

- JP 2006324806 W 20061213
- JP 2005363739 A 20051216

Abstract (en)

[origin: EP1965150A1] An object of the present invention is to eliminate stagnation of refrigerant in refrigerating machine oil in a compression mechanism, and to use the difference in the solubility of the refrigerant in the oil to minimize error in predicting the quantity of refrigerant. An air conditioner (1) is provided with a refrigerant circuit (7), refrigerant stagnation judgment means (8a to 8c), and an operation controller (6a to 6c). The refrigerant circuit is a circuit that includes a heat source unit (2a to 2c), a refrigerant communication pipe (4, 5), an expansion mechanism (31a, 31b, ...), and a utilization unit (29a to 29c, 3a, 3b, ...). A heat source unit and a utilization unit are connected to the refrigerant fluid communication pipes. The heat source unit has a compression mechanism (21a to 21c) and a heat source side heat exchanger (24a to 24c). The refrigerant stagnation judging means can judge whether the refrigerant has stagnated inside the compression mechanism. The operation controller performs a refrigerant de-stagnation operation for eliminating stagnation of the refrigerant in the case that the refrigerant stagnation judging means has judged in advance that the refrigerant inside the compression mechanism has stagnated when a refrigerant quantity judging operation is carried out for judging the refrigerant quantity inside the refrigerant circuit.

IPC 8 full level

F25B 1/00 (2006.01); **F25B 13/00** (2006.01); **F25B 45/00** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)

F25B 1/00 (2013.01 - KR); **F25B 49/005** (2013.01 - EP US); **F25B 49/02** (2013.01 - KR); **F25B 13/00** (2013.01 - EP US);
F25B 45/00 (2013.01 - EP US); **F25B 2313/0233** (2013.01 - EP US); **F25B 2313/0253** (2013.01 - EP US); **F25B 2313/02743** (2013.01 - EP US);
F25B 2313/0315 (2013.01 - EP US); **F25B 2400/01** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2500/19** (2013.01 - EP US);
F25B 2500/222 (2013.01 - EP US); **F25B 2500/28** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US)

Citation (search report)

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- [A] JP 2004028503 A 20040129 - MITSUBISHI HEAVY IND LTD
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US11085679B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1965150 A1 20080903; EP 1965150 A4 20140702; EP 1965150 B1 20170726; AU 2006324541 A1 20070621; AU 2006324541 B2 20091112;
CN 101331366 A 20081224; CN 101331366 B 20100922; ES 2636912 T3 20171010; JP 2007163106 A 20070628; KR 20080071601 A 20080804;
US 2009314017 A1 20091224; WO 2007069624 A1 20070621

DOCDB simple family (application)

EP 06834561 A 20061213; AU 2006324541 A 20061213; CN 200680047377 A 20061213; ES 06834561 T 20061213;
JP 2005363739 A 20051216; JP 2006324806 W 20061213; KR 20087015050 A 20080620; US 9696706 A 20061213