

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2034261 A4 20140730 (EN)

Application
EP 07767400 A 20070622

Priority
• JP 2007062589 W 20070622
• JP 2006175083 A 20060626

Abstract (en)
[origin: EP2034261A1] The labor of inputting information on a refrigerant communication pipe before operating a separate type air conditioner is minimized, and at the same time, the adequacy of the refrigerant quantity in a refrigerant circuit can be judged with high accuracy. An air conditioner (1) includes a pipe volume calculating means and a refrigerant circuit (10) configured by the interconnection of a heat source unit (2) and a utilization unit (4, 5) via a refrigerant communication pipe (6, 7). The pipe volume calculating means calculates the volume (V_{lp}, V_{gp}) of the refrigerant communication pipe (6, 7) based on an additional charging quantity (Ma) which is a refrigerant quantity to be additionally charged after the refrigerant circuit (10) is configured by interconnecting the heat source unit (2) and the utilization unit (4, 5) via the refrigerant communication pipe (6, 7).

IPC 8 full level
F25B 49/02 (2006.01); **F25B 13/00** (2006.01); **F25B 45/00** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)
F25B 45/00 (2013.01 - EP KR US); **F25B 49/005** (2013.01 - EP US); **F25B 49/02** (2013.01 - KR); **F25B 13/00** (2013.01 - EP US); **F25B 2313/0233** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F25B 2500/19** (2013.01 - EP US); **F25B 2600/21** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US)

Citation (search report)
• [X] US 5758506 A 19980602 - HANCOCK JOHN P [US], et al
• [X] US 2005247070 A1 20051110 - ARSHANSKY YAKOV [US], et al
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• [A] US 2006010898 A1 20060119 - SUHARNO ANWAR [US], et al
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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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2034261 A1 20090311; **EP 2034261 A4 20140730**; AU 2007264431 A1 20080103; AU 2007264431 B2 20100429; CN 101473177 A 20090701; CN 101473177 B 20110126; JP 2008002786 A 20080110; JP 4155313 B2 20080924; KR 101207004 B1 20121130; KR 20090027223 A 20090316; US 2009100849 A1 20090423; WO 2008001687 A1 20080103

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