

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 2075518 A3 20130320 (EN)

Application
EP 08022417 A 20081223

Priority
JP 2007333678 A 20071226

Abstract (en)
[origin: EP2075518A2] An air conditioner (1) having a refrigerant circuit including a compressor (16), a four-way valve (18), outdoor heat exchangers (19, 19A, 19B) and indoor heat exchangers (21A, 21B, 21C) which are successively connected to one another through a refrigerant pipe (14) including a receiver tank (71) connected to the outdoor heat exchangers in parallel, and a refrigerant bypass circuit (101) for making a part of refrigerant to the suction side of the compressor through the receiver tank while bypassing the outdoor heat exchangers under heating operation.

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

CPC (source: EP KR)
F24F 11/00 (2013.01 - KR); **F25B 1/00** (2013.01 - KR); **F25B 13/00** (2013.01 - EP KR); **F25B 45/00** (2013.01 - EP); **F25B 49/00** (2013.01 - KR); **F25B 49/027** (2013.01 - EP); **F25B 2313/02523** (2013.01 - EP); **F25B 2400/16** (2013.01 - EP)

Citation (search report)

- [I] EP 1818627 A1 20070815 - MITSUBISHI ELECTRIC CORP [JP]
- [A] EP 1371912 A1 20031217 - LG ELECTRONICS INC [KR]
- [I] WO 2007111303 A1 20071004 - DAIKIN IND LTD [JP], et al
- [I] US 6668569 B1 20031230 - JIN KEUM SU [KR]
- [I] JP 2004061023 A 20040226 - CHIN KUMUSHU
- [I] US 2004182101 A1 20040923 - SHIMODA JUNICHI [JP], et al
- [I] JP 2003247742 A 20030905 - MATSUSHITA ELECTRIC IND CO LTD

Cited by
EP2587193A3; US9151522B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2075518 A2 20090701; EP 2075518 A3 20130320; CN 101469911 A 20090701; CN 101469911 B 20110209; JP 2009156496 A 20090716; JP 5145026 B2 20130213; KR 100998139 B1 20101202; KR 20090071346 A 20090701

DOCDB simple family (application)
EP 08022417 A 20081223; CN 200810190665 A 20081226; JP 2007333678 A 20071226; KR 20080088005 A 20080908