

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 1674807 A3 20070704 (EN)

Application
EP 05104573 A 20050527

Priority
KR 20040110336 A 20041222

Abstract (en)
[origin: EP1674807A2] An air conditioner is disclosed comprising a compressor, a plurality of heat exchangers, an accumulator and, at least one expansion valve connected in a refrigeration circuit operable to perform a cooling and/or heating operation. The air conditioner further comprises a control unit for controlling operation of the air conditioner wherein when the compressor stops, the control unit is configured so as to close at least one expansion valve to prevent refrigerant flowing into the accumulator.

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

CPC (source: EP KR)
F24F 11/89 (2017.12 - KR); **F25B 13/00** (2013.01 - EP); **F25B 41/34** (2021.01 - KR); **F25B 41/39** (2021.01 - EP); **F25B 49/02** (2013.01 - EP); **F25B 2313/006** (2013.01 - EP); **F25B 2400/16** (2013.01 - EP); **F25B 2500/27** (2013.01 - EP); **F25B 2500/28** (2013.01 - EP); **F25B 2600/15** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP)

Citation (search report)

- [XY] US 4735054 A 19880405 - BECKEY THOMAS J [US]
- [Y] US 2004103677 A1 20040603 - HIROTA HISATOSHI [JP]
- [X] EP 1143209 A1 20011010 - DAIKIN IND LTD [JP]
- [Y] GB 2265229 A 19930922 - TOSHIBA KK [JP]
- [Y] EP 1207359 A2 20020522 - CARRIER CORP [US]
- [Y] US 4230470 A 19801028 - MATSUDA TOSHIHARU, et al
- [A] US 2004007003 A1 20040115 - HEALY JOHN JOSEPH [HK], et al

Cited by
EP2320151A4; DE102015114309A1; DE102015114309B4; US2022252313A1; EP4012289A4; US12038210B2; WO2018177476A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1674807 A2 20060628; EP 1674807 A3 20070704; CN 1793758 A 20060628; KR 100671301 B1 20070119; KR 20060071659 A 20060627

DOCDB simple family (application)
EP 05104573 A 20050527; CN 200510072640 A 20050517; KR 20040110336 A 20041222