

Title (en)

Operation control method for unitary air conditioner

Title (de)

Betriebssteuerungsverfahren einer einheitlichen Klimaanlage

Title (fr)

Procédé de régulation du fonctionnement d'un conditionneur d'air unitaire

Publication

EP 1626230 A3 20070124 (EN)

Application

EP 05101612 A 20050302

Priority

KR 20040064106 A 20040814

Abstract (en)

[origin: EP1626230A2] The present invention discloses an operation control method for a unitary air conditioner. The present invention improves the load response capabilities of compressors by operating them at three-stages of the maximum operation, minimum operation and intermediate operation using one or more compressors, and improves the energy efficiency and the amenity by determining the three-stage operation mode based on the previous operation status.

IPC 8 full level

F25B 49/02 (2006.01); **F24F 11/00** (2006.01)

CPC (source: EP KR US)

F24F 11/30 (2017.12 - EP KR US); **F24F 11/62** (2017.12 - EP KR US); **F24F 11/65** (2017.12 - KR); **F25B 13/00** (2013.01 - KR); **F25B 49/022** (2013.01 - EP KR US); **F24F 11/65** (2017.12 - EP US); **F24F 2110/10** (2017.12 - KR); **F25B 13/00** (2013.01 - EP US); **F25B 2400/0751** (2013.01 - EP KR US); **F25B 2600/0251** (2013.01 - EP KR US); **F25B 2700/2104** (2013.01 - EP KR US)

Citation (search report)

- [X] US 2004118135 A1 20040624 - LEE WON HEE [KR], et al
- [X] US 2002134094 A1 20020926 - HUH DEOK [KR], et al
- [X] EP 0543622 A2 19930526 - SANYO ELECTRIC CO [JP]
- [X] US 2004107709 A1 20040610 - LEE WON HEE [KR], et al
- [A] US 4633672 A 19870106 - PERSEM JAKE [US], et al

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 1626230 A2 20060215; **EP 1626230 A3 20070124**; **EP 1626230 B1 20110810**; CN 1734384 A 20060215; CN 1734384 B 20100929; KR 100619733 B1 20060908; KR 20060015381 A 20060217; US 2006032252 A1 20060216

DOCDB simple family (application)

EP 05101612 A 20050302; CN 200510006273 A 20050127; KR 20040064106 A 20040814; US 2864605 A 20050105