

Title (en)

Air-conditioner and operation control method thereof

Title (de)

Klimaanlage und Verfahren zu deren Betrieb

Title (fr)

Dispositif de conditionnement d'air et son procédé de fonctionnement

Publication

**EP 1632738 A3 20120523 (EN)**

Application

**EP 05101673 A 20050304**

Priority

KR 20040066061 A 20040820

Abstract (en)

[origin: EP1632738A2] An air-conditioner includes a small-capacity compressor and a large-capacity compressor for compressing a refrigerant to a high temperature high pressure gaseous refrigerant; a valve for connecting a suction opening of a refrigerant channel of the large-capacity compressor and a discharge passage of a refrigerant channel of the large-capacity compressor; and a controller for controlling the small-capacity compressor, the large-capacity compressor and the valve.

IPC 8 full level

**F25B 49/02** (2006.01)

CPC (source: EP KR US)

**F24F 3/06** (2013.01 - KR); **F24F 11/30** (2017.12 - KR); **F24F 11/62** (2017.12 - KR); **F25B 49/022** (2013.01 - EP KR US); **F25B 2400/0401** (2013.01 - EP KR US); **F25B 2400/0751** (2013.01 - EP KR US); **F25B 2500/26** (2013.01 - EP KR US); **F25B 2600/0251** (2013.01 - EP KR US)

Citation (search report)

- [I] GB 2209851 A 19890524 - TOSHIBA KK [JP]
- [IY] US 2002073721 A1 20020620 - SEO HYEONG-JOON [KR], et al
- [E] EP 1598616 A2 20051123 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] JP H10205895 A 19980804 - MATSUSHITA REFRIGERATION
- [Y] US 2004098994 A1 20040527 - LEE WON HEE [KR]
- [Y] US 2004118135 A1 20040624 - LEE WON HEE [KR], 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 1632738 A2 20060308**; **EP 1632738 A3 20120523**; **EP 1632738 B1 20130619**; CN 100470157 C 20090318; CN 1737439 A 20060222; KR 100608683 B1 20060808; KR 20060017399 A 20060223; US 2006037333 A1 20060223

DOCDB simple family (application)

**EP 05101673 A 20050304**; CN 200510005647 A 20050124; KR 20040066061 A 20040820; US 2864405 A 20050105