

Title (en)

AIR CONDITIONER AND CONTROL METHOD THEREOF

Title (de)

KLIMAAANLAGE UND STEUERVERFAHREN DAFÜR

Title (fr)

APPAREIL DE CONDITIONNEMENT D'AIR ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication

**EP 2132498 A4 20120125 (EN)**

Application

**EP 07793535 A 20070817**

Priority

- KR 2007003931 W 20070817
- KR 20070021118 A 20070302

Abstract (en)

[origin: US2008209924A1] An air conditioner including a plurality of compressors uses at least one oil separator for separating oil from an oil-mixed refrigerant discharged from the compressors. The air conditioner performs an oil balancing operation, during which some compressors operate and some do not. At least a portion of the oil separated by the oil separator is distributed to the compressors that are not operating during the oil balancing operation.

IPC 8 full level

**F25B 31/00** (2006.01)

CPC (source: EP KR US)

**F25B 31/004** (2013.01 - EP KR US); **F25B 2400/06** (2013.01 - KR); **F25B 2400/075** (2013.01 - EP KR US);  
**F25B 2600/0251** (2013.01 - EP KR US); **F25B 2700/03** (2013.01 - EP KR US)

Citation (search report)

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- [XYI] JP H0484073 A 19920317 - SANYO ELECTRIC CO
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CN108224839A

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**US 2008209924 A1 20080904**; EP 2132498 A2 20091216; EP 2132498 A4 20120125; EP 2132498 B1 20161005; ES 2607932 T3 20170404;  
KR 100878819 B1 20090114; KR 20080080857 A 20080905; WO 2008108518 A2 20080912; WO 2008108518 A3 20090528

DOCDB simple family (application)

**US 83992507 A 20070816**; EP 07793535 A 20070817; ES 07793535 T 20070817; KR 20070021118 A 20070302; KR 2007003931 W 20070817