

Title (en)
Air conditioner and method of controlling the same

Title (de)
Klimaanlage und Steuerverfahren dafür

Title (fr)
Climatiseur et procédé de commande correspondant

Publication
EP 2218984 A3 20110406 (EN)

Application
EP 10001542 A 20100215

Priority
KR 20090012519 A 20090216

Abstract (en)
[origin: EP2218984A2] An air conditioner includes a plurality of compressors (120a, b, c), a common intake pipe (111), and a plurality of oil equalizing pipes (114a, b, c) that connect the compressors (120a, b, c) to the common intake pipe (111) such that oil existing above a reference oil level in the compressors (120a, b, c) can be transferred to the common intake pipe (111). An oil equalizing valve (135a, b, c) provided on at least two of the oil equalizing pipes (114a, b, c) controls oil flowing through the oil equalizing pipes, where at least two of the oil equalizing valves can be opened together during performance of oil equalizing operation such that amounts of the oil in at least two compressors can be equalized.

IPC 8 full level
F25B 31/00 (2006.01); **F25B 13/00** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP KR US)
F25B 13/00 (2013.01 - KR); **F25B 31/004** (2013.01 - EP KR US); **F25B 13/00** (2013.01 - EP US); **F25B 2313/0253** (2013.01 - EP KR US); **F25B 2313/02742** (2013.01 - EP KR US); **F25B 2400/06** (2013.01 - KR); **F25B 2400/075** (2013.01 - EP KR US); **F25B 2700/2105** (2013.01 - EP KR US); **F25B 2700/21152** (2013.01 - EP KR US)

Citation (search report)
• [X] EP 1677057 A2 20060705 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] EP 1367259 A1 20031203 - TOSHIBA CARRIER CORP [JP]

Cited by
CN108072204A; CN105588353A; CN107642921A

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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EP 10001542 A 20100215; KR 20090012519 A 20090216; US 65663010 A 20100205