

Title (en)
air conditioner having multiple outdoor units and control method thereof

Title (de)
klimaanlage mit mehreren ausseneinheiten und steuerungsverfahren dafür

Title (fr)
climatiseur équipé de plusieurs unités extérieures et procédé de commande de celui-ci

Publication
EP 1528332 B1 20080430 (EN)

Application
EP 04024799 A 20041019

Priority
KR 20030075248 A 20031027

Abstract (en)
[origin: EP1528332A1] The present invention discloses an air conditioner having multiple outdoor units, including a plurality of outdoor units disposed outdoors, at least one indoor unit connected to the plurality of outdoor units through refrigerant tubes, for exchanging heat with indoor air, and when part of the outdoor units are operated, a control unit for storing refrigerants in non-operated outdoor units, so that a proper amount of refrigerants can be supplied to the operated outdoor units. The air conditioner having the multiple outdoor units can improve performance and durability by preventing the refrigerants from being excessively concentrated on the operated outdoor units.

IPC 8 full level
F24F 3/06 (2006.01); **F24F 11/00** (2006.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP US)
F24F 11/83 (2017.12 - EP US); **F24F 11/84** (2017.12 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F25B 2313/0253** (2013.01 - EP US); **F25B 2313/0314** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2400/19** (2013.01 - EP US); **F25B 2500/19** (2013.01 - EP US); **F25B 2700/13** (2013.01 - EP US); **F25B 2700/1931** (2013.01 - EP US); **F25B 2700/1933** (2013.01 - EP US)

Cited by
EP2163839A4; EP2827083A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1528332 A1 20050504; **EP 1528332 B1 20080430**; CN 1329697 C 20070801; CN 1641277 A 20050720; DE 602004013409 D1 20080612; DE 602004013409 T2 20080731; KR 100504902 B1 20050729; KR 20050040081 A 20050503; US 2005086954 A1 20050428

DOCDB simple family (application)
EP 04024799 A 20041019; CN 200410103375 A 20041027; DE 602004013409 T 20041019; KR 20030075248 A 20031027; US 96715704 A 20041019