

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2525160 A4 20180314 (EN)

Application
EP 11732849 A 20110107

Priority
• JP 2010005724 A 20100114
• JP 2011050193 W 20110107

Abstract (en)
[origin: EP2525160A1] Disclosed is an air conditioner which has a simple structure and which can prevent cool air being blown out during heating operations, even when at least one of a plurality of heat exchangers is an evaporator. An air conditioner (1) is provided with a plurality of heat exchangers (4A, 4B, 4C) serially arranged in an air duct (5), through which air flows via a blower (3), in the transverse direction of the air duct (5). Outdoor units (7A, 7B, 7C), each having refrigerant systems from independent systems, are respectively connected to the heat exchangers (4A, 4B, 4C). The air conditioner (1) is provided with cut-off units (9A, 9B, 9C) which can individually cut off the air flow to the plurality of heat exchangers (4A, 4B, 4C), and the cut-off units (9A, 9B, 9C) can each operate independently front each other.

IPC 8 full level
F24F 13/30 (2006.01); **F24F 11/41** (2018.01); **F24F 11/74** (2018.01); **F24F 11/81** (2018.01); **F24F 11/86** (2018.01)

CPC (source: EP US)
F24F 11/41 (2017.12 - EP); **F24F 11/70** (2017.12 - EP); **F24F 11/74** (2017.12 - EP); **F24F 11/81** (2017.12 - EP US); **F24F 11/86** (2017.12 - EP); **F24F 2013/1473** (2013.01 - EP)

Citation (search report)
• [YD] JP H109725 A 19980116 - HITACHI LTD, et al
• [Y] US 4741171 A 19880503 - TOSHIYUKI FUKUDA [JP]
• [A] EP 1321727 A2 20030625 - LG ELECTRONICS INC [KR]
• [A] US 6244057 B1 20010612 - YOSHIDA YASUTAKA [JP], et al
• [A] US 2007209789 A1 20070913 - OOMURA MITSUYO [JP], et al
• See references of WO 2011086979A1

Cited by
EP3370005A4; EP3336443A4

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2525160 A1 20121121; **EP 2525160 A4 20180314**; CN 102597647 A 20120718; CN 102597647 B 20150422; JP 2011144996 A 20110728; JP 5484919 B2 20140507; WO 2011086979 A1 20110721

DOCDB simple family (application)
EP 11732849 A 20110107; CN 201180004353 A 20110107; JP 2010005724 A 20100114; JP 2011050193 W 20110107