

Title (en)  
Air conditioner and operating method thereof

Title (de)  
Klimaanlage und Bedienungsverfahren dafür

Title (fr)  
Climatiseur et son procédé de fonctionnement

Publication  
**EP 2058598 A3 20140709 (EN)**

Application  
**EP 08252087 A 20080618**

Priority  
KR 20070113279 A 20071107

Abstract (en)  
[origin: EP2058598A2] Provided are an air conditioner and an operating method thereof, in which a plurality of schedules can be effectively set for each of a plurality of units in an air conditioner with a schedule conflict by making time periods reserved for existing schedules unavailable for new schedules or by either incorporating conflicting schedules, if any, into a single schedule or selecting one of the conflicting schedules. Therefore, it is possible to improve the safety of the control of an air conditioner by effectively controlling schedules set for each unit in an air conditioner while preventing a schedule conflict. In addition, it is possible to control an air conditioner in a sophisticated manner involving the application of a plurality of schedules and thus to improve user convenience.

IPC 8 full level  
**F24F 11/00** (2006.01); **F24F 3/06** (2006.01)

CPC (source: EP KR US)  
**F24F 3/065** (2013.01 - EP KR); **F24F 11/30** (2017.12 - EP KR US); **F24F 11/32** (2017.12 - KR); **F24F 11/54** (2017.12 - KR); **F24F 11/56** (2017.12 - KR); **F24F 11/62** (2017.12 - EP KR); **F24F 11/54** (2017.12 - EP); **F24F 11/56** (2017.12 - EP); **F24F 11/61** (2017.12 - EP); **F25B 2313/023** (2013.01 - KR)

Citation (search report)

- [X1] JP 2005337614 A 20051208 - DAIKIN IND LTD
- [XA] WO 2007097512 A2 20070830 - LG ELECTRONICS INC [KR], et al
- [A] US 2003103415 A1 20030605 - BATES CARY LEE [US], et al
- [A] EP 1429082 A2 20040616 - LG ELECTRONICS INC [KR]

Cited by  
US9958177B2; EP2884760A4; JPWO2014024444A1; EP2908063A1; US2015226447A1; EP2333442A3; JP2019013025A; US9542836B2; EP3418643A4; WO2016157498A1; US10554434B2; US10972303B2; US11391482B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 08252087 A 20080618**; CN 200810129116 A 20080623; KR 20070113279 A 20071107