

Title (en)

Air conditioning system and method of controlling the same

Title (de)

Klimaanlagensystem und Steuerverfahren dafür

Title (fr)

Système de climatisation et son control

Publication

**EP 1878985 A3 20100224 (EN)**

Application

**EP 07112181 A 20070710**

Priority

KR 20060064719 A 20060711

Abstract (en)

[origin: EP1878985A2] Provided are an air conditioning system and a controlling method thereof. According to the system and method, frost on an outdoor heat exchanger can be removed while a heating mode operation is continuously performed, and power consumption can be reduced. Also, refrigerant of higher temperature than that of a heating mode is supplied to the outdoor heat exchanger to extend defrosting mode period.

IPC 8 full level

**F25B 47/02** (2006.01)

CPC (source: EP KR)

**F25B 1/00** (2013.01 - KR); **F25B 13/00** (2013.01 - EP KR); **F25B 30/02** (2013.01 - KR); **F25B 47/02** (2013.01 - KR); **F25B 47/022** (2013.01 - EP); **F25B 2400/0403** (2013.01 - EP); **F25B 2400/075** (2013.01 - EP)

Citation (search report)

- [X] EP 1645817 A2 20060412 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] EP 0924479 A2 19990623 - FUJITSU GENERAL LTD [JP]
- [X] JP H04366341 A 19921218 - DAIKIN IND LTD
- [X] DE 3243672 A1 19840530 - KULMBACHER KLIMAGERAEETE [DE]

Cited by

US9346336B2

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)

**EP 1878985 A2 20080116**; **EP 1878985 A3 20100224**; **EP 1878985 B1 20131009**; ES 2432756 T3 20131205; JP 2008020181 A 20080131; JP 5313467 B2 20131009; KR 100821729 B1 20080411; KR 20080006055 A 20080116

DOCDB simple family (application)

**EP 07112181 A 20070710**; ES 07112181 T 20070710; JP 2007182271 A 20070711; KR 20060064719 A 20060711