

Title (en)

Heat pump system and method of controlling the same

Title (de)

Wärmepumpensystem und Verfahren zu dessen Steuerung

Title (fr)

Système de pompe à chaleur et procédé de commande correspondant

Publication

EP 2159515 A3 20110302 (EN)

Application

EP 09163649 A 20090624

Priority

KR 20080082880 A 20080825

Abstract (en)

[origin: EP2159515A2] Provided are a heat pump system and a method of controlling the same. In a heating operation, a refrigerant circulating in an air-conditioning device (100) is heat-exchanged with a working fluid heated by a heating device (200) so as to be heated, and the heating device is controlled according to a temperature of the working fluid. Thus, various types of heating members are conveniently used as the heating device for heating the refrigerant.

IPC 8 full level

F25B 40/06 (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP KR US)

F25B 13/00 (2013.01 - EP US); **F25B 29/00** (2013.01 - KR); **F25B 30/00** (2013.01 - KR); **F25B 49/00** (2013.01 - KR); **F25B 2313/008** (2013.01 - EP US); **F25B 2400/04** (2013.01 - EP US); **F25B 2500/31** (2013.01 - EP US); **F25B 2700/2106** (2013.01 - EP US); **F25B 2700/21175** (2013.01 - EP US)

Citation (search report)

- [X] US 5878810 A 19990309 - SAITO KAZUO [JP], et al
- [X] US 4165037 A 19790821 - MCCARSON DONALD M
- [X] US 6109533 A 20000829 - AO TAKAHIKO [JP], et al

Cited by

EP2631565A1; US9322584B2

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 TR

DOCDB simple family (publication)

EP 2159515 A2 20100303; EP 2159515 A3 20110302; CN 101660851 A 20100303; KR 101533112 B1 20150702; KR 20100024157 A 20100305; US 2010043465 A1 20100225

DOCDB simple family (application)

EP 09163649 A 20090624; CN 200910139925 A 20090715; KR 20080082880 A 20080825; US 45764409 A 20090617