

Title (en)

Heat pump-type heating and hot-water supply apparatus

Title (de)

Heiz- und Warmwasserversorgungsvorrichtung vom Wärmepumpentyp

Title (fr)

Chauffage de type pompe à chaleur et appareil d'alimentation en eau chaude

Publication

EP 2902729 A1 20150805 (EN)

Application

EP 15152741 A 20150127

Priority

- JP 2014014933 A 20140129
- JP 2014034916 A 20140226
- JP 2014043436 A 20140306
- JP 2014059482 A 20140324
- JP 2014061065 A 20140325

Abstract (en)

A heat pump-type heating and hot-water supply apparatus includes a hot-water supply circuit, a compressor and control means. The control means when decreasing the speed of the compressor to decrease the going temperature, judges whether or not the going temperature is equal to or more than an upper limit temperature in the case that the speed of the compressor is at or below a lower limit speed, stops the compressor in the case that the going temperature is equal to or more than the upper limit temperature, and continues to operate the compressor at the lower limit speed in the case that the going temperature is not equal to or more than the upper limit temperature. Consequently, it is possible to suppress the degradation of the COP resulting from the degradation of the operating efficiency of the compressor.

IPC 8 full level

F25B 49/02 (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)

F25B 13/00 (2013.01); **F25B 49/02** (2013.01); **F25B 2339/047** (2013.01); **F25B 2600/025** (2013.01); **F25B 2700/21161** (2013.01)

Citation (applicant)

JP 2005274021 A 20051006 - SANYO ELECTRIC CO, et al

Citation (search report)

- [A] EP 2312226 A2 20110420 - FUJITSU GENERAL LTD [JP]
- [A] EP 1793182 A2 20070606 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] EP 2589901 A2 20130508 - PANASONIC CORP [JP]
- [A] US 2008229770 A1 20080925 - LIU JIN MING [FR]

Cited by

CN113280417A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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