

Title (en)  
Refrigerant system and a control method of the same

Title (de)  
Kühlsystem und Steuerverfahren dafür

Title (fr)  
Système réfrigérant et son procédé de contrôle

Publication  
**EP 2434236 A3 20150603 (EN)**

Application  
**EP 11182541 A 20110923**

Priority  
KR 20100093470 A 20100927

Abstract (en)  
[origin: EP2434236A2] The present invention relates to the refrigerant system in which the refrigerant amount stored in the accumulator may be adjusted by the super cooling adjustment unit according to the indoor conditioning load. Therefore, according to the present invention, the flow refrigerant amount on the refrigerant cycle may be optimally adjusted according to the indoor conditioning load, and there is an advantage that the operation efficiency may be more improved.

IPC 8 full level  
**F25B 45/00** (2006.01)

CPC (source: EP US)  
**F25B 13/00** (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/16** (2013.01 - EP US); **F25B 2600/19** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US); **F25B 2700/21163** (2013.01 - EP US)

Citation (search report)

- [XAY] US 2794328 A 19570604 - HERRICK CARLYLE S
- [Y] JP H085163 A 19960112 - MITSUBISHI HEAVY IND LTD
- [A] EP 1795834 A2 20070613 - SANDEN CORP [JP]
- [A] JP 2001027460 A 20010130 - MITSUBISHI ELECTRIC CORP

Cited by  
EP2873935A4; US9989284B2; US2014033741A1; US9239179B2; EP2708826A3

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)  
**EP 2434236 A2 20120328; EP 2434236 A3 20150603; EP 2434236 B1 20181107**; CN 102418959 A 20120418; KR 101201635 B1 20121120; KR 20120031843 A 20120404; US 2012073313 A1 20120329

DOCDB simple family (application)  
**EP 11182541 A 20110923**; CN 201110295793 A 20110927; KR 20100093470 A 20100927; US 201113243354 A 20110923