

Title (en)  
FREEZING DEVICE

Title (de)  
TIEFKÜHLVORRICHTUNG

Title (fr)  
DISPOSITIF DE CONGÉLATION

Publication  
**EP 2578965 A4 20170531 (EN)**

Application  
**EP 11789400 A 20110518**

Priority  
• JP 2010124821 A 20100531  
• JP 2011002781 W 20110518

Abstract (en)  
[origin: EP2578965A1] In a refrigeration apparatus including a refrigerant circuit (20) in which a plurality of compressors (21), a heat-source-side heat exchanger (25), an expansion mechanism (52), and a utilization-side heat exchanger (53) are connected in order, when one or more of the compressors (21) is a compressor in operation and other one or more of the compressors (21) is a stopped compressor, a control is performed to decrease the low pressure of an evaporator connected to the compressor in operation to less than the saturation pressure equivalent to the temperature of the stopped compressor itself or the ambient temperature of the stopped compressor. In such a manner, refrigerant liquefaction in the stopped compressor is reduced or prevented, thereby reducing operation failure or burnout upon a restart.

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 5/02** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)  
**F25B 13/00** (2013.01); **F25B 2313/0231** (2013.01); **F25B 2313/02731** (2013.01); **F25B 2313/02741** (2013.01); **F25B 2400/0751** (2013.01); **F25B 2500/27** (2013.01); **F25B 2500/28** (2013.01)

Citation (search report)  
• [A] EP 1909047 A1 20080409 - DAIKIN IND LTD [JP]  
• See references of WO 2011151985A1

Cited by  
EP3015792A1; KR20160050292A; CN103727704A; EP3486578A4; US10184706B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2578965 A1 20130410; EP 2578965 A4 20170531**; JP 2011252623 A 20111215; JP 4888583 B2 20120229; WO 2011151985 A1 20111208

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