

Title (en)  
METHOD FOR OPERATING A REFRIGERATION SYSTEM

Title (de)  
VERFAHREN ZUM BETREIBEN EINER KÄLTEANLAGE

Title (fr)  
PROCÉDÉ POUR FAIRE FONCTIONNER UN ÉQUIPEMENT DE RÉFRIGÉRATION

Publication  
**EP 3183516 A1 20170628 (DE)**

Application  
**EP 15753361 A 20150819**

Priority  
• DE 102014111946 A 20140821  
• EP 2015069075 W 20150819

Abstract (en)  
[origin: WO2016026905A1] In order, in the context of a method for operating a refrigeration system comprising a circuit carrying a cold-transfer medium, in which for controlling a total compressor power of the refrigeration system at least one state variable in a system is measured, to operate the refrigeration system with the smallest possible variations in the state variable, it is proposed that, corresponding to this at least one state variable, the compressor unit is operated either in a first operating state at a first total compressor power at which the state variable decreases, or in a second operating state at a second total compressor power at which the state variable increases, wherein the first and second operating states directly follow one another in alternation, that a transition from the second operating state to the first operating state then takes place when the measured state variable reaches or exceeds a first threshold value, that a transition from the first operating state to the second operating state then takes place when the measured state variable reaches or drops below a second threshold value, and that a difference between the first value and the second value corresponds to the largest of the state variable differences which result during the respective minimum duration in the first operating state or in the second operating state.

IPC 8 full level  
**F25B 49/02** (2006.01)

CPC (source: EP US)  
**F25B 49/022** (2013.01 - EP US); **F25B 2400/06** (2013.01 - EP US); **F25B 2400/075** (2013.01 - US); **F25B 2600/02** (2013.01 - EP US); **F25B 2600/0251** (2013.01 - US); **F25B 2700/197** (2013.01 - EP US); **F25B 2700/2117** (2013.01 - EP US)

Citation (search report)  
See references of WO 2016026905A1

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**DE 102014111946 A 20140821**; EP 15753361 A 20150819; EP 2015069075 W 20150819; US 201715438003 A 20170221