

Title (en)

Method for operating a compression type refrigeration system

Title (de)

Verfahren zum Betreiben einer Kompressionskälteanlage

Title (fr)

Procédé pour faire fonctionner un système frigorifique à compression

Publication

EP 1775533 B1 20180328 (DE)

Application

EP 06021376 A 20061012

Priority

- DE 102005048967 A 20051013
- DE 102005054104 A 20051112

Abstract (en)

[origin: EP1775533A2] The method involves determining a control value for a throttle body based on the deviation of actual overheating of a cooling agent from a reference-overheating, and detecting liquefier pressure. Evaporator pressure is measured, and a model comparing the cooling agent mass flow rate at an evaporator input with the mass flow rate at an evaporator output is formed. Another control value is evaluated from the evaporator and liquefier pressures and cooling circuit specific values. Third control value is determined by combining the two values and the body is adjusted to the third value. An independent claim is also included for a device for controlling a compression refrigerator.

IPC 8 full level

F25B 30/02 (2006.01); **F25B 49/02** (2006.01); **F25D 21/00** (2006.01)

CPC (source: EP)

F25B 30/02 (2013.01); **F25B 49/02** (2013.01); **F25D 21/006** (2013.01); **F25B 2339/047** (2013.01); **F25B 2500/19** (2013.01); **F25B 2600/21** (2013.01); **F25B 2600/2513** (2013.01); **F25B 2700/135** (2013.01); **F25B 2700/195** (2013.01); **F25B 2700/197** (2013.01); **F25B 2700/2106** (2013.01); **F25B 2700/21175** (2013.01)

Citation (examination)

WO 0101052 A1 20010104 - LANCER PARTNERSHIP LTD [US]

Cited by

CN112085367A; EP3640565A1; DE102018125411A1; EP2894417A1; DE102020115270A1; EP3922926A1

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