

Title (en)

CAPACITY CONTROL FOR REFRIGERANT SYSTEM WITH MULTIPLE COMPRESSORS

Title (de)

LEISTUNGSREGELUNG FÜR KÄLTEMITTELSYSTEM MIT MEHREREN KOMPRESSOREN

Title (fr)

DISPOSITIF DE REGULATION DE CAPACITE POUR UN SYSTEME DE REFRIGERATION COMPORTANT UNE PLURALITE DE COMPRESSEURS

Publication

**EP 1886074 A4 20120307 (EN)**

Application

**EP 05757068 A 20050603**

Priority

US 2005019752 W 20050603

Abstract (en)

[origin: WO2006132626A1] A refrigerant system operates with tandem compressors (22, 24). A control (41) for the refrigerant system is operable to change the capacities of each of the compressors dependent upon a load on the system. The control determines the percentage of maximum load capacity currently being utilized by each of the compressors. A compressor with the highest percentage is decreased in capacity should the control determine that excess capacity is being provided. Conversely, the control will increase the capacity of a compressor having a lower percentage, if insufficient capacity is being provided to meet a load on the system.

IPC 8 full level

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CPC (source: EP US)

**F25B 49/022** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2600/02** (2013.01 - EP US); **F25B 2700/151** (2013.01 - EP US)

Citation (search report)

- [XY] US 2004148951 A1 20040805 - LOPRETE JOSEPH FRANK [US]
- [Y] US 5797729 A 19980825 - RAFUSE JR LENLEY J [US], et al
- [I] US 2003217557 A1 20031127 - SO MIN HO [KR], et al
- See references of WO 2006132626A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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