

Title (en)

A (compound) refrigeration system and method for operating the (compound) refrigeration system

Title (de)

Verbund(kälte)anlage und Verfahren zum Betreiben einer Verbund(kälte)anlage

Title (fr)

Système frigorifique (de type complexe) et procédé d'utilisation d'un système frigorifique (de type complexe)

Publication

EP 1550832 A1 20050706 (DE)

Application

EP 04028680 A 20041203

Priority

DE 10357556 A 20031210

Abstract (en)

The system has several compressors on two or more levels (E1,E2), whereby the compressors on the same level are connected together by an oil balancing line (1,2), and at least one container (B1,B2) per level dimensioned to at least hold the required minimum oil quantity per level and connected to the oil balancing line for their respective levels. The container on the lowest level is connected to its oil balancing line with a shut-off capability and to the pressure side of the system via a pressure line (4) with a shut-off capability. The containers are connected together by a connecting line (5) that is connected to the container in the upper level so that the container is only operated up to the desired oil level in the upper level. An independent claim is also included for a method of operating an inventive system.

Abstract (de)

Es werden eine Verbund(kälte)anlage sowie ein Verfahren zum Betreiben einer Verbund(kälte)anlage beschrieben. Diese erlauben es, einen betriebssicheren Ölausgleich zwischen den, auf zwei oder mehr Ebenen (E1, E2) angeordneten Verdichtern (V1, V2,) einer Verbund(kälte)anlage durchzuführen, wobei auf das Vorsehen herkömmlicher Ölspiegellreguliersysteme verzichtet werden kann. <IMAGE>

IPC 1-7

F25B 31/00; **F25B 1/10**; **F04B 39/02**

IPC 8 full level

F04B 39/02 (2006.01); **F25B 1/10** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP)

F04B 39/0207 (2013.01); **F25B 1/10** (2013.01); **F25B 31/004** (2013.01); **F25B 2400/075** (2013.01); **F25B 2500/16** (2013.01)

Citation (search report)

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- [A] EP 0607101 A1 19940720 - BIRTON AS [DK]
- [AD] EP 0961090 A2 19991201 - LINDE AG [DE]

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EP 1550832 A1 20050706; **EP 1550832 B1 20061018**; AT E343107 T1 20061115; DE 10357556 A1 20050714; DE 502004001792 D1 20061130; ES 2274374 T3 20070516

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