

Title (en)

Method of coordinating operation of compressors

Title (de)

Verfahren zur Koordination des Betriebs eines Verdichters

Title (fr)

Procédé de coordination de fonctionnement de compresseurs

Publication

EP 2623901 A1 20130807 (EN)

Application

EP 12000708 A 20120202

Priority

EP 12000708 A 20120202

Abstract (en)

A method for coordinating operation between at least two groups of compressors in a cooling circuit is disclosed. A first group of compressors forms part of a low temperature (LT) part of the cooling circuit and a second group of compressors forms part of a high temperature (MT) part of the cooling circuit. Each of the compressor groups comprises one or more compressors, and each of the compressor groups comprises a controller, the controllers being capable of exchanging signals. In the case that the LT compressor group needs one or more of the LT compressors to start operation, it is investigated whether or not one or more of the MT compressors is/are operating. If this is the case, one or more of the LT compressors is/are allowed to start operation. If it is not the case, the suction pressure in the MT part of the cooling circuit is established, e.g. measured, and compared to a lower and an upper limit of a neutral pressure zone, said neutral pressure zone lying within an operating pressure zone of the MT part of the cooling circuit. Finally, the MT compressors and the LT compressors are operated based on the comparing step. The cooling system may be a cascade system or a booster system.

IPC 8 full level

F25B 49/02 (2006.01); **F25B 1/10** (2006.01); **F25B 7/00** (2006.01)

CPC (source: EP)

F25B 1/10 (2013.01); **F25B 7/00** (2013.01); **F25B 49/022** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2623901 A1 20130807

DOCDB simple family (application)

EP 12000708 A 20120202