

Title (en)

METHOD FOR OPERATING A REFRIGERATING DEVICE COMPRISING EVAPORATORS WHICH ARE CONNECTED IN PARALLEL AND REFRIGERATING DEVICE THEREFOR

Title (de)

VERFAHREN ZUM BETREIBEN EINES KÄLTEGERÄTS MIT PARALLEL GESCHALTETEN VERDAMPFERN UND KÄLTEGERÄT DAFÜR

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN APPAREIL FRIGORIFIQUE À ÉVAPORATEURS MONTÉS EN PARALLÈLE ET APPAREIL FRIGORIFIQUE ASSOCIÉ

Publication

EP 2005076 A1 20081224 (DE)

Application

EP 07712511 A 20070312

Priority

- EP 2007052295 W 20070312
- DE 102006015989 A 20060405

Abstract (en)

[origin: WO2007115879A1] The invention relates to a method for operating a refrigerating device comprising a refrigerating circuit (15; 25; 35; 45) equipped with two evaporators (16, 17) which are arranged in a parallel manner in relation to each other and which cool refrigerating compartments (12, 13) that are thermally separated from each other and that have different temperatures, and also a refrigerating compressor (22) with which both evaporators (16, 17) can be supplied separately with a coolant. According to the invention, when a first compartment (12) requires a coolant, the evaporator (17) of the second compartment is initially supplied with a coolant, in a preparation step, and then the coolant circuit is closed to the evaporator (17) of the second compartment (13), and then only the evaporator (16) of the first compartment (12) is supplied with the coolant. In said preparation step, fluid coolant which is enriched in the evaporator of the second refrigerating compartment is flushed out such that it can be reused in the evaporator of the first refrigerating compartment. As a result, the coolant is displaced towards the evaporator of the coolest of the two refrigerating compartments, said displacement can be produced in the stationary phase of the coolant compressor and can be achieved in a simple and economical manner.

IPC 8 full level

F25B 5/02 (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP US)

F25B 5/02 (2013.01 - EP US); **F25B 2400/19** (2013.01 - EP); **F25B 2500/26** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP US); **F25D 11/022** (2013.01 - EP US)

Citation (search report)

See references of WO 2007115879A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006015989 A1 20071011; CN 101416005 A 20090422; CN 101416005 B 20110511; EP 2005076 A1 20081224; RU 2008142980 A 20100510; RU 2456516 C2 20120720; US 2009173086 A1 20090709; US 8141372 B2 20120327; WO 2007115879 A1 20071018

DOCDB simple family (application)

DE 102006015989 A 20060405; CN 200780011983 A 20070312; EP 07712511 A 20070312; EP 2007052295 W 20070312; RU 2008142980 A 20070312; US 22595007 A 20070312