Title (en)

REFRIGERATION DEVICE AND METHOD FOR MAINTAINING A CONSTANT PREDEFINED TEMPERATURE IN A REFRIGERATION COMPARTMENT OF THE REFRIGERATION DEVICE

Title (de)

KÄLTEGERÄT UND VERFAHREN ZUM KONSTANTHALTEN EINER VORBESTIMMTEN TEMPERATUR IN EINEM KÜHLRAUM DES KÄLTEGERÄTS

Title (fr)

APPAREIL FRIGORIFIQUE ET PROCÉDÉ POUR MAINTENIR UNE TEMPÉRATURE PRÉDÉTERMINÉE À UNE VALEUR CONSTANTE DANS UN COMPARTIMENT RÉFRIGÉRANT DE L'APPAREIL FRIGORIFIQUE

Publication

EP 2176605 A2 20100421 (DE)

Application

EP 08774288 A 20080625

Priority
- EP 2008058089 W 20080625
- ES 200701914 A 20070629

Abstract (en)

[origin: WO2009003893A2] The invention relates to a refrigeration device (10) comprising: at least one first refrigeration compartment (22) and at least one second refrigeration compartment (24), separated by a heat insulating partition (26); at least one refrigeration machine (34) comprising a heat dissipation system that is connected to the exterior of the refrigeration device (10) for cooling the first refrigeration compartment (22) to a first temperature (T1) by the dissipation of a first main heat flow (QH1) from the first refrigeration compartment (22) to the exterior of the refrigeration device (10); a refrigeration device for cooling the second refrigeration compartment (24) to a second temperature (T2) by the dissipation of a second main heat flow (QH2); and a heat transport unit (36; 40) for the controlled transport of an auxiliary heat flow (QAux) from the second refrigeration compartment (24) to the first refrigeration compartment (22), or vice versa, in order to maintain the second temperature (T2) at a predefined target temperature (T2SOLL).

IPC 8 full level

F25D 11/02 (2006.01)

CPC (source: EP ES)

F25B 21/02 (2013.01 - ES); **F25B 25/00** (2013.01 - ES); **F25D 11/02** (2013.01 - EP ES); F25B 21/02 (2013.01 - EP); F25D 19/006 (2013.01 - EP)

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009003893 A2 20090108; **WO 2009003893 A3 20090827**; CN 101720416 A 20100602; EP 2176605 A2 20100421; ES 2330493 A1 20091210; ES 2330493 B1 20100916; RU 2010101737 A 20110810; RU 2465523 C2 20121027

DOCDB simple family (application)

EP 2008058089 W 20080625; CN 200880022845 A 20080625; EP 08774288 A 20080625; ES 200701914 A 20070629; RU 2010101737 A 20080625