

Title (en)

COOLING CABINET AND METHOD FOR OPERATING THE COOLING CABINET

Title (de)

KÜHLSCHRANK UND VERFAHREN ZUM BETREIBEN DES KÜHLSCHRANKS

Title (fr)

ARMOIRE DE RÉFRIGÉRATION ET PROCÉDÉ POUR FAIRE FONCTIONNER L'ARMOIRE DE RÉFRIGÉRATION

Publication

EP 3676547 A1 20200708 (EN)

Application

EP 18766390 A 20180831

Priority

- NL 2019470 A 20170831
- NL 2018050562 W 20180831

Abstract (en)

[origin: WO2019045565A1] A method is provided for operating a cooling cabinet arranged for cooling matter in the cabinet. The cabinet for use with this method comprises a storage space for holding the matter, a compressive cooling system comprising at least a first compressor (124), a primary evaporator (122) that is for at least a substantial part fully surrounded by a phase change material provided in a container (120), an air displacement module 154) and a secondary evaporator (132). The method comprises operating the primary evaporator via the compressor until the cooling cabinet reaches a pre-determined state and operating the air displacement module for providing a forced air flow to flow along an outer surface of the container and subsequently through the storage space. Upon the cooling cabinet reaching the pre-determined state, the secondary evaporator is operated for controlling the state of the cooling cabinet.

IPC 8 full level

F25D 11/00 (2006.01); **F25B 27/00** (2006.01); **F25D 19/04** (2006.01)

CPC (source: EP KR)

F25D 11/006 (2013.01 - EP KR); **F25D 19/04** (2013.01 - EP KR); **F25D 29/005** (2013.01 - KR); **F25B 27/00** (2013.01 - EP); **F25B 2400/06** (2013.01 - EP KR); **F25B 2500/06** (2013.01 - EP KR)

Citation (search report)

See references of WO 2019045565A1

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)

WO 2019045565 A1 20190307; BR 112020004008 A2 20200901; CN 111433539 A 20200717; EP 3676547 A1 20200708; JP 2020532706 A 20201112; KR 20200059231 A 20200528; MX 2020002355 A 20200813; NL 2019470 B1 20190311; PH 12020550071 A1 20210215

DOCDB simple family (application)

NL 2018050562 W 20180831; BR 112020004008 A 20180831; CN 201880066390 A 20180831; EP 18766390 A 20180831; JP 2020534154 A 20180831; KR 20207009400 A 20180831; MX 2020002355 A 20180831; NL 2019470 A 20170831; PH 12020550071 A 20200228