

Title (en)

COOLING DEVICE FOR COOLING A STORAGE SPACE OF A COOLING CONTAINER AND A RESPECTIVE COOLING CONTAINER

Title (de)

KÜHLVORRICHTUNG ZUM KÜHLEN EINES LADERAUMS EINES KÜHLBEHÄLTERS UND ENTSPRECHENDER KÜHLBEHÄLTER

Title (fr)

DISPOSITIF DE REFROIDISSEMENT POUR REFROIDIR UN ESPACE DE STOCKAGE D'UN RÉCIPIENT DE REFROIDISSEMENT ET RÉCIPIENT DE REFROIDISSEMENT RESPECTIF

Publication

EP 3450886 B1 20210526 (EN)

Application

EP 17188206 A 20170828

Priority

EP 17188206 A 20170828

Abstract (en)

[origin: EP3450886A1] Cooling device (2) for cooling a storage space (13) of a cooling container (1), wherein the cooling device (2) comprises at least: - a coolant space (3) for receiving a coolant, which is confined at least partly by housing walls (4) of the cooling device (2), the housing walls (4) comprising at least two zones (6, 7, 8): ## a thermal isolation zone (7) having a first heat transfer coefficient; and ## a main heat transfer zone (6) having a second heat transfer coefficient being larger than the first heat transfer coefficient, and - an eutectic material (5) provided within a part of the coolant space (3). The storage space 13 of the cooling container 1 can be cooled by the cooling device 2 particularly energy efficiently and over a particularly long period of time. With heat transfer being suppressed in the thermal isolation zone 7 and with the eutectic material 5, the cooling device 2 can provide a cooling with a cooling power that drops particularly slowly over time.

IPC 8 full level

F25D 3/10 (2006.01); **F25D 3/12** (2006.01); **F25D 19/00** (2006.01)

CPC (source: EP)

F25D 3/10 (2013.01); **F25D 3/12** (2013.01); **F25D 19/006** (2013.01)

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

DOCDB simple family (publication)

EP 3450886 A1 20190306; EP 3450886 B1 20210526

DOCDB simple family (application)

EP 17188206 A 20170828