

Title (en)

PRODUCT TRANSPORT CONTAINER WITH A DESIRED TEMPERATURE RANGE

Title (de)

PRODUKTTRANSPORTBEHÄLTER MIT EINEM GEWÜNSCHTEN TEMPERATURBEREICH

Title (fr)

CONTENEUR DE TRANSPORT DE PRODUITS A UNE PLAGE DE TEMPERATURE DESIREE

Publication

EP 3948115 A1 20220209 (FR)

Application

EP 19720940 A 20190326

Priority

FR 2019050692 W 20190326

Abstract (en)

[origin: WO2020193872A1] The present invention relates to the transport of products at a desired maintenance temperature range, comprising: - a case (2) which is made of insulating material and which delimits a compartment which is open at the top, has a volume less than 150 litres and is capable of containing the products, the case (2) having a predetermined calorific dissipation power; - a cover (4) which is made of insulating material and can be adapted to the case (2) in order to close the compartment; - a diffusing intermediate wall (5) which is positioned between the case (2) and the cover (4) in order to delimit, with the cover (4), a chamber with a surface (7) for receiving at least one refrigerant charge (6) which emits a calorific power, the cover (4) and the intermediate wall (5) comprising mutually complementary locking/unlocking means (9). The invention is characterised in that the calorific energy emitted by the refrigerant charge (6) and the thermal diffusion coefficient of the intermediate wall (5) are adjusted so that, at predetermined transport and maintenance temperatures and for a desired time after receipt of the refrigerant charge (6) and exposure of the container (1) to the transport temperature, the calorific power diffused by the intermediate wall (5) to the compartment is equal to or at a maximum 20% greater than the calorific power dissipated by the case (2).

IPC 8 full level

F25D 3/14 (2006.01)

CPC (source: EP US)

B65D 81/3816 (2013.01 - EP); **F25D 3/14** (2013.01 - EP US); **F25D 23/028** (2013.01 - EP); **F25D 23/069** (2013.01 - EP); **F25D 2303/0844** (2013.01 - EP US); **F25D 2331/804** (2013.01 - EP US)

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 2020193872 A1 20201001; BR 112021019033 A2 20211130; CA 3134865 A1 20201001; CN 113811730 A 20211217; EP 3948115 A1 20220209; SG 11202110471V A 20211028; US 2022178605 A1 20220609

DOCDB simple family (application)

FR 2019050692 W 20190326; BR 112021019033 A 20190326; CA 3134865 A 20190326; CN 201980096266 A 20190326; EP 19720940 A 20190326; SG 11202110471V A 20190326; US 201917598328 A 20190326