

Title (en)  
COOLING BOX AND METHOD FOR TRANSPORTING PERISHABLES OR HEAT-SENSITIVE PRODUCTS IN A TRANSPORT VEHICLE AND/OR FOR DISTRIBUTING PRODUCTS TO FINAL CUSTOMERS

Title (de)  
KÜHLBOX UND VERFAHREN ZUM TRANSPORT VON VERDERBLICHEN ODER WÄRMEEMPFINDLICHEN PRODUKTEN IN EINEM TRANSPORTFAHRZEUG UND/ODER ZUM VERTEILEN VON PRODUKTEN AN ENDKUNDEN

Title (fr)  
BOÎTE DE REFROIDISSEMENT ET PROCÉDÉ DE TRANSPORT DE PRODUITS SENSIBLES À LA CHALEUR OU PÉRISSABLES DANS UN VÉHICULE DE TRANSPORT ET/OU POUR DISTRIBUER DES PRODUITS AUX CLIENTS FINAUX

Publication  
**EP 3090961 A1 20161109 (EN)**

Application  
**EP 15166810 A 20150507**

Priority  
EP 15166810 A 20150507

Abstract (en)  
The present invention relates to a cooling box (1) and a method for safely transporting heat-sensitive products (2) in a transport vehicle (3) and/or for distributing heat-sensitive products (2) to final customers. The cooling box (1) according to the invention comprises a thermally insulating cuboid housing (7) with a commissioning opening (8) on an upper side (11), a first (9) and a second (10) storage chamber designed for different temperatures, a cover (12) to open and close the commissioning opening (8) of the housing (7), the cover (12) containing an integrated cool pack (13) to be cooled down, filled or exchanged in a supply center (32). Preferably, the cooling box (1) comprises a profiled outer bottom plate (20) to cooperate in a form locking manner with a certain underlying raster (5; 29), and a profiled outer cover plate (21) to carry other transport containers (30).

IPC 8 full level  
**B65D 81/38** (2006.01); **F25D 3/08** (2006.01); **F25D 16/00** (2006.01)

CPC (source: EP)  
**B65D 81/3813** (2013.01); **F25D 3/08** (2013.01); **F25D 3/12** (2013.01); **F25D 16/00** (2013.01); **F25D 2400/10** (2013.01)

Citation (applicant)  

- WO 2011086265 A1 20110721 - AIR LIQUIDE [FR], et al
- EP 0631096 B1 19970716 - CARBOXYQUE FRANCAISE [FR]
- DE 102010013056 A1 20110929 - TKT GASSYSTEME GMBH [DE]

Citation (search report)  

- [XY] US 6212901 B1 20010410 - PINT KENNETH R [US], et al
- [X] US 2393245 A 19460122 - HADSELL CHARLES E
- [Y] US 5890613 A 19990406 - WILLIAMS WARREN BRET [US]
- [Y] WO 9718422 A1 19970522 - KVAERNER ASA [NO], et al
- [XY] US 2004200232 A1 20041014 - GANO JOHN [US], et al
- [Y] WO 9525253 A1 19950921 - HOBART COMP [FR], et al
- [Y] DE 102013003008 A1 20140828 - DELTA T GES FÜR MEDIZINTECHNIK MBH [DE]
- [A] WO 2014104985 A1 20140703 - BRAČIČ ALEŠ [SI], et al

Cited by  
EP3428556A1; CN113788227A; CN108046296A; CN108996033A; WO2022109688A1; WO2019230627A1; WO2022043394A1

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)  
**EP 3090961 A1 20161109; EP 3090961 B1 20190227**

DOCDB simple family (application)  
**EP 15166810 A 20150507**