

Title (en)

PORTABLE SELF-CONTAINED COOLER/FREEZER FOR USE ON AIRPLANES, COMMON CARRIER UNREFRIGERATED TRUCKS.

Title (de)

TRAGBARER, UNABHÄNGIGER KÜHL /GEFRIERSCHRANK ZUR BENUTZUNG IN FLUGZEUGEN UND IN GEWÖHNLICHEN LASTKRAFTWAGEN.

Title (fr)

CONGELATEUR/REFRIGERATEUR PORTATIF AUTONOME UTILISABLE SUR DES AVIONS OU DES CAMIONS NON REFRIGERES.

Publication

EP 0647304 A1 19950412 (EN)

Application

EP 92914937 A 19920629

Priority

- CA 2138658 A 19920629
- US 9205524 W 19920629
- US 60285690 A 19901023

Abstract (en)

[origin: WO9400712A1] A transportable container (10) for carrying refrigerated products in frozen or refrigerated temperatures includes a structural container having an insulated outer shell with an access doorway (21). The upper portion of the container (10) includes a transverse perforated baffle (25) and positioned above the baffle (25) are a pair of spaced apart canisters (27, 28) containing liquid refrigerant. A gas or liquid feeder tube (32) penetrates each bottle (27, 28) and communicates with an on/off valve (30, 31). A feeder tube (32) can draw liquid to dispense for cooling, or it can release gas and pressure within the canister to boil the CO₂. When CO₂ reaches its boiling point, the canister (27, 28), its bracket, and the cold plate reach very cold temperatures to cool the cargo area. The gas is released through copper tubing over the cold plate to act as method for convection.

IPC 1-7

F17C 7/02; **F17C 13/00**; **B60H 1/32**; **F25D 3/12**

IPC 8 full level

B65D 88/12 (2006.01); **B60H 1/32** (2006.01); **B66C 1/16** (2006.01); **F17C 7/02** (2006.01); **F17C 13/00** (2006.01); **F25D 3/10** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)

B60H 1/3226 (2013.01 - EP US); **B66C 1/16** (2013.01 - EP); **F25D 3/105** (2013.01 - EP US); **F25D 29/001** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)

WO 9400712 A1 19940106; AU 2299092 A 19940124; AU 682814 B2 19971023; BR 9207143 A 19951212; CA 2138658 A1 19940106; CA 2138658 C 20031209; EP 0647304 A1 19950412; EP 0647304 A4 19960110; JP H07508826 A 19950928

DOCDB simple family (application)

US 9205524 W 19920629; AU 2299092 A 19920629; BR 9207143 A 19920629; CA 2138658 A 19920629; EP 92914937 A 19920629; JP 50229994 A 19920629