

Title (en)

Portable self-contained cooler/freezer apparatus for use on common carrier type unrefridgerated truck lines and the like

Title (de)

Bewegbare autonome Kühl-Gefrieranlage zur Verwendung bei herkömmlichen nicht-gekühlten Lastkraftwagen und dergleichen.

Title (fr)

Réfrigérateur-congélateur autonome et transportable pour camions non réfrigérés et analogue.

Publication

EP 0711965 A2 19960515 (EN)

Application

EP 95203062 A 19890501

Priority

EP 89905935 A 19890501

Abstract (en)

A shipping container (12) for shipping frozen and/or refrigerated cargo in an unrefrigerated cargo area of a substantially larger transport vehicle comprising: a) a container having an interior area (24) with a volume to be loaded with the frozen and/or refrigerated cargo with an access opening (21) that can be opened/closed; b) one or more refrigerant tanks (27,28) mounted in the container for containing a cryogenic liquefied refrigerant under pressure to be utilized for cooling the container interior; c) header means (32) for piping refrigerant from the tanks (27,28) to the container interior; d) temperature responsive controller means for periodically dispensing refrigerant from the tanks to the header in order to maintain a desired preselected preset refrigerated or frozen temperature range within the container interior; e) a lifting frame (18,19,20) positioned at the bottom of the container and including load transfer means for forming a connection between a forklift type lifting mechanism and the lower end portion of the container so that the container may be transferred into and out of an unrefrigerated vehicle using a forklift mechanism; and f) means for preliminarily charging the container interior with refrigerant from an external bulk source to lower the container interior temperature prior to shipment.

IPC 1-7

F25D 3/12

IPC 8 full level

F25D 3/10 (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)

F25D 3/105 (2013.01); **F25D 29/001** (2013.01)

Cited by

EP0941932A1; US10279991B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0711965 A2 19960515; **EP 0711965 A3 19960904**; AT E142771 T1 19960915

DOCDB simple family (application)

EP 95203062 A 19890501; AT 89905935 T 19890501