Title (en)

CARGO TEMPERATURE MONITORING AND CONTROL FOR A REFRIGERATED CONTAINER

Title (de)

FRACHTTEMPERATURÜBERWACHUNG UND STEUERUNG FÜR EINEN KÜHLBEHÄLTER

Title (fr)

SURVEILLANCE ET RÉGULATION DE LA TEMPÉRATURE D'UNE CARGAISON POUR UN CONTENEUR RÉFRIGÉRÉ

Publication

EP 2850372 A1 20150325 (EN)

Application

EP 13712629 A 20130312

Priority

- US 201261646526 P 20120514
- US 2013030420 W 20130312

Abstract (en)

[origin: WO2013172936A1] A method of monitoring and controlling temperature of a cargo in a refrigerated transportation cargo container includes measuring a temperature of a plurality of portions of the cargo located in the cargo container via a plurality of temperature sensors directed at the portions of the cargo. One or more of the measured cargo temperatures are compared to a preselected threshold. Operation of a refrigeration unit disposed at the cargo container in operable communication with the plurality of temperature sensors is changed based on a result of the comparison. A transportation cargo container refrigeration system includes a plurality of cargo temperature sensors configured to determine a temperature of at least portions of a cargo. A refrigeration unit and controller are connected to the refrigeration unit and the cargo temperature sensors to control operation of the refrigeration unit based on data received from the cargo temperature sensors.

IPC 8 full level

F25D 11/00 (2006.01)

CPC (source: CN EP US)

B65D 88/748 (2013.01 - CN); **F25B 49/02** (2013.01 - US); **F25D 11/003** (2013.01 - US); **F25D 29/003** (2013.01 - CN EP US); F25D 2500/04 (2013.01 - EP US); F25D 2700/123 (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 2013172936 A1 20131121; CN 104583694 A 20150429; CN 104583694 B 20170301; DK 2850372 T3 20190722; EP 2850372 A1 20150325; EP 2850372 B1 20190501; SG 11201407532R A 20141230; US 2015135737 A1 20150521

DOCDB simple family (application)

US 2013030420 W 20130312; CN 201380025482 A 20130312; DK 13712629 T 20130312; EP 13712629 A 20130312; SG 11201407532R A 20130312; US 201314400355 A 20130312