

Title (en)

CONTAINER TREATMENT INSTALLATION WITH REFRIGERATION INSTALLATION, AND METHOD FOR STARTING THE OPERATION OF A REFRIGERATION INSTALLATION OF A CONTAINER TREATMENT INSTALLATION

Title (de)

BEHÄLTERBEHANDLUNGSANLAGE MIT KÄLTEANLAGE UND VERFAHREN ZUR INBETRIEBNAHME EINER KÄLTEANLAGE EINER BEHÄLTERBEHANDLUNGSANLAGE

Title (fr)

INSTALLATION DE TRAITEMENT DE RÉCIPIENTS MUNIE D'UN SYSTÈME FRIGORIFIQUE ET PROCÉDÉ DE MISE EN SERVICE D'UN SYSTÈME FRIGORIFIQUE D'UNE INSTALLATION DE TRAITEMENT DE RÉCIPIENTS

Publication

EP 3126757 A1 20170208 (DE)

Application

EP 15710726 A 20150224

Priority

- DE 102014104709 A 20140402
- EP 2015053842 W 20150224

Abstract (en)

[origin: WO2015149997A1] A container treatment installation (1) having a refrigeration installation (10; 30), and a method for starting the operation of a refrigeration installation (10) of a container treatment installation (1), are provided. The refrigeration installation (10) comprises a refrigerant vessel (12) for receiving a refrigerant (13) which can be used for cooling a component of the container treatment installation (1), and a control device (16) for controlling an amount of the refrigerant (13) in the refrigerant vessel (12) such that, after operation of the refrigeration installation (10), only a predetermined residual amount of refrigerant (13) remains in the refrigerant vessel (12) for the transport of the refrigerant installation (10), and after the transport of the refrigeration installation (10), the predetermined residual amount is replaced again with a predetermined replenishment amount of refrigerant (13).

IPC 8 full level

F25B 45/00 (2006.01); **B67C 3/00** (2006.01)

CPC (source: EP US)

F25B 45/00 (2013.01 - EP US); **F25B 2500/26** (2013.01 - EP US)

Citation (examination)

- US 7303387 B2 20071204 - HUTCHINSON GERALD A [US], et al
- US 2011219794 A1 20110915 - SHIBA HIROKUNI [JP]
- DE 60108700 T2 20060119 - COMAS S N C DI VANGELISTI VINC [IT]
- US 2005115253 A1 20050602 - SIENEL TOBIAS H [US]
- See also references of WO 2015149997A1

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)

DE 102014104709 A1 20151008; CN 106104177 A 20161109; EP 3126757 A1 20170208; US 10119737 B2 20181106; US 2017176071 A1 20170622; WO 2015149997 A1 20151008

DOCDB simple family (application)

DE 102014104709 A 20140402; CN 201580012622 A 20150224; EP 15710726 A 20150224; EP 2015053842 W 20150224; US 201515300459 A 20150224