

Title (en)  
METHOD FOR CHARGING EVAPORATORS WITH CRYOGENICALLY LIQUIFIED GASES, AND A DEVICE FOR CARRYING OUT SAID METHOD

Title (de)  
VERFAHREN ZUM BELADEN VON VERDAMPFERN MIT TIEFKALT VERFLÜSSIGTEN GASEN SOWIE EINE VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)  
PROCÉDÉ DE CHARGEMENT D'ÉVAPORATEURS AVEC DES GAZ CRYOGÉNIQUES LIQUÉFIÉS ET DISPOSITIF PERMETTANT LA MISE EN ŒUVRE DUDIT PROCÉDÉ

Publication  
**EP 2457014 A1 20120530 (DE)**

Application  
**EP 10740121 A 20100722**

Priority  
• AT 4582009 U 20090722  
• AT 2010000267 W 20100722

Abstract (en)  
[origin: WO2011009149A1] In a method and a device for charging evaporators (10) with cryogenically liquified gases, a thermally insulated metering accumulator (1), upon which gas pressure can act, and a thermally insulated liquid distributor (8) are connected upstream of the evaporator (10), the connecting lines of which metering accumulator (1) and liquid distributor (8) can be shut off in each case by means of a valve, the cryogenically liquified gas being metered into the metering accumulator (1). After the valve in the connecting line has been opened, the cryogenically liquified gas is transferred from the metering accumulator (1) into the liquid distributor (8), whereupon, after the cryogenically liquified gas has been filled into the liquid distributor (8) and the valve in the connecting line has subsequently been closed, the transport of the cryogenically liquified gas into a tubular evaporator (10) is carried out under the hydrostatic pressure of the liquid in the liquid distributor (8), for which purpose a valve between the liquid distributor and the evaporator (10) is opened.

IPC 8 full level  
**F17C 9/02** (2006.01)

CPC (source: EP US)  
**F17C 9/02** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP US); **F17C 2203/0391** (2013.01 - EP US); **F17C 2205/018** (2013.01 - EP US); **F17C 2205/0355** (2013.01 - EP US); **F17C 2223/0161** (2013.01 - EP US); **F17C 2223/033** (2013.01 - EP US); **F17C 2223/035** (2013.01 - EP US); **F17C 2225/0123** (2013.01 - EP US); **F17C 2225/0161** (2013.01 - EP US); **F17C 2227/0107** (2013.01 - EP US); **F17C 2227/0121** (2013.01 - EP US); **F17C 2227/0311** (2013.01 - EP US); **F17C 2227/039** (2013.01 - EP US); **F17C 2250/01** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011009149A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011009149 A1 20110127**; EP 2457014 A1 20120530; EP 2457014 B1 20130724; RU 2012106249 A 20130827; US 2012159969 A1 20120628

DOCDB simple family (application)  
**AT 2010000267 W 20100722**; EP 10740121 A 20100722; RU 2012106249 A 20100722; US 201013386490 A 20100722