

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3549465

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GILLES FLAVIEN	06/01/2015
VINCENT HELOIN	06/02/2015
PIERRE BARJHOUX	06/08/2015
JEAN-MARC BERNHARDT	06/06/2015
FABIEN DURAND	06/08/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE
<b>Street Address:</b>	75 QUAI D'ORSAY
<b>City:</b>	PARIS
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	F-75007
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14759117
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)624-8950
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	713-624-8953
<b>Email:</b>	NEVA.DARE-SC@AIRLIQUIDE.COM
<b>Correspondent Name:</b>	AIR LIQUIDE USA LLC
<b>Address Line 1:</b>	2700 POST OAK BOULEVARD
<b>Address Line 2:</b>	SUITE 325
<b>Address Line 4:</b>	HOUSTON, TEXAS 77056
<b>ATTORNEY DOCKET NUMBER:</b>	S9450
<b>NAME OF SUBMITTER:</b>	NEVA DARE
<b>SIGNATURE:</b>	/Neva Dare/
<b>DATE SIGNED:</b>	09/30/2015
<b>Total Attachments: 4</b>	

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**Assignment of Invention**

WHEREAS [I/WE], **FLAVIEN Gilles, HELOIN Vincent, BARJHOUX Pierre, BERNHARDT Jean-Marc and DURAND Fabien** have invented certain new and useful improvements documented in a patent application entitled "**Refrigeration and/or liquefaction device, and corresponding method**" for which a United States patent application was filed on November 8, 2013, having Application No. 14/759.117;

WHEREAS, L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation having offices at 75 quai d'Orsay, F-75007 Paris, FRANCE (hereinafter referred to as "ASSIGNEE"), desires to acquire from **FLAVIEN Gilles, HELOIN Vincent, BARJHOUX Pierre, BERNHARDT Jean-Marc and DURAND Fabien** the entire right, title and interest [I/WE] have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, [I/WE], by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions, including the right to claim priority of the above-mentioned patent application(s), and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, continuations-in-part, reexaminations, substitutions and renewals thereof.

[I/WE] hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, [I/WE] agree that [I/WE] will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification, **INCLUDING ANY SUBSEQUENT DATE OF APPLICATION FILING AND THE APPLICATION SERIAL NUMBER**, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 01/06/2015

  
\_\_\_\_\_  
**FLAVIEN Gilles, (Inventor)**

Date: 02/06/2015

  
\_\_\_\_\_  
**HELOIN Vincent, (Inventor)**

Date: \_\_\_\_\_

\_\_\_\_\_  
**BARJHOUX Pierre, (Inventor)**

**Assignment of Invention**

WHEREAS [I/WE], **FLAVIEN Gilles, HELOIN Vincent, BARJHOUX Pierre, BERNHARDT Jean-Marc and DURAND Fabien** have invented certain new and useful improvements documented in a patent application entitled « **Refrigeration and/or liquefaction device, and corresponding method** » for which a United States patent application was filed on November 8, 2013, having Application No. 14/759.117;

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Date: \_\_\_\_\_

\_\_\_\_\_  
FLAVIEN Gilles, (Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
HELOIN Vincent, (Inventor)

Date: June 8<sup>th</sup>, 2015

  
\_\_\_\_\_  
BARJHOUX Pierre, (Inventor)

Date: 06/06/15

  
\_\_\_\_\_  
**BERNHARDT Jean-Marc (Inventor)**

Date: \_\_\_\_\_

\_\_\_\_\_  
**DURAND Fabien, (Inventor)**

Date: \_\_\_\_\_

\_\_\_\_\_  
BERNHARDT Jean-Marc, (Inventor)

Date: JUNE 8<sup>th</sup> 2015

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DURAND Fabien, (Inventor)