PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE
Street Address:	75 QUAI D'ORSAY
City:	PARIS
State/Country:	FRANCE
Postal Code:	F-75007

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14759117

CORRESPONDENCE DATA

Fax Number: (713)624-8950

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.

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Correspondent Name: AIR LIQUIDE USA LLC

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Address Line 2: SUITE 325

Address Line 4: HOUSTON, TEXAS 77056

NAME OF SUBMITTER:NEVA DARESIGNATURE:/Neva Dare/DATE SIGNED:09/30/2015	ATTORNEY DOCKET NUMBER:	S9450
	NAME OF SUBMITTER:	NEVA DARE
DATE SIGNED: 09/30/2015	SIGNATURE:	/Neva Dare/
	DATE SIGNED:	09/30/2015

Total Attachments: 4

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Ref. No: Serie S9450

Assignment of Invention

	WHERE	EAS [I//\	/E], FLAVIE	N Gille	s, HELO	OIN Vincent,	BARJHOUX	Pierre, BER	NHARDT	Jean-
Marc	and DU	RAND F	abien have	invente	ed certai	n new and us	seful improver	ments docume	ented in a r	oatent
								ponding met		
United	States	patent	application	was f	iled on	November 8	3. 2013	, having	Application	
	9,117									
	WHEE	REAS 1	Air Liquide	Sociét	é Anonyi	me nour l'Éti	ide et l'Evoloi	itation dee Pro	ncádás Ga	orape

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.

Ala

Date: 01/06/2015	
	FLAVIEN Gilles, (Inventor)
Date: 09/06/2015	
	HELOIN Vincent, (Inventor)
Date:	
	BARJHOUX Pierre, (Inventor)

Ref. No: S9450

Assignment of Invention

Α,	sagninent of invention
Marc and DURAND Fabien have invented application entitled « Refrigeration and/or	s, HELOIN Vincent, BARJHOUX Pierre, BERNHARDT Jeand certain new and useful improvements documented in a patent liquefaction device, and corresponding method » for which a ed on November 8, 2013, having Application No.
Claude, a French corporation having offi referred to as "ASSIGNEE"), desires to a Pierre, BERNHARDT Jean-Marc and DUF	Anonyme pour l'Étude et l'Exploitation des Procédés Georges ces at 75 quai d'Orsay, F-75007 Paris, FRANCE (hereinafter acquire from FLAVIEN Gilles, HELOIN Vincent, BARJHOUX RAND Fabien the entire right, title and interest [I/WE] have in and Patent that may be granted thereof in the United States and its
[I/WE], by these presents do sell, assign at date, the full and exclusive right to the sa including the right to claim priority of the ab- interest in and to any and all Letters Pate territorial possessions and in and to any	e consideration, the receipt whereof is hereby acknowledged, and transfer unto said ASSIGNEE, effective as of the first priority id invention in the United States and its territorial possessions, ove-mentioned patent application(s), and the entire right, title and ent which may be granted therefor in the United States and its and all subsequent provisionals, non-provisionals, divisions, t, reexaminations, substitutions and renewals thereof.
possessions to issue any and all of said Leti the entire right, title and interest in and to successors and assigns, to the full end of th	st the Patent Office Officials in the United States and its territorial ters Patent, when granted, to said ASSIGNEE as the assignee of the same, for the sole use and benefit of said ASSIGNEE, its e term for which said Letters Patent may be granted, as fully and by me had this Assignment and sale not been made.
known to me respecting said invention, and non-provisional, divisional, continuation, sub- assignment papers to cause any and all of rightful oaths, and, generally do everything	communicate to said ASSIGNEE or its representatives any facts testify in any legal proceeding, sign all lawful papers, execute all ostitute, renewal and reissue applications, execute all necessary f said Letters Patent to be issued to said ASSIGNEE, make all possible to aid said ASSIGNEE, its successors and assigns, to invention in the United States and its territorial possessions.
power to insert on this assignment any furl APPLICATION FILING AND THE APPLICATION FILING AND THE APPLICATION FILING AND THE APPLICATION FILING AND THE APPLICATION FOR THE APPLICATION FILING AND THE APPLICATION FILING FILING AND THE APPLICATION FILING AND THE APPLICATION FILING AND THE APPLICATION FILING FILING FILING FILING FILING FILING FILING	thorized representatives of the above identified ASSIGNEE the ther identification, INCLUDING ANY SUBSEQUENT DATE OF ATION SERIAL NUMBER, which may be necessary or desirable ited States Patent and Trademark Office for recordation of this
Date:	FLAVIEN Gilles, (Inventor)
Date:	HELOIN Vincent, , (Inventor)
Date: June 1 th 2015	

BARJHOUX Pierre, , (Inventor)

Date: 06/06/17	3	
	BERNHARDT Jean-Marc (Inventor)	
Date:		
	DURAND Fahien (Inventor)	

Date:			
		BERNHARDT Jean-Marc, (Inventor)	
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Date:	<u> June 8th 2</u> 015	and the second s	
		DURAND Fahion (Inventor)	

PATENT REEL: 036692 FRAME: 0413

RECORDED: 09/30/2015