PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTOINE FRENAL	03/23/2016
DENIS MULLER	03/22/2016
DIDIER ROBERT	03/22/2016

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:	15023288

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.

Phone: 713-624-8953

Email: NEVA.DARE-SC@AIRLIQUIDE.COM

AIR LIQUIDE USA LLC **Correspondent Name:** 9811 KATY FREEWAY Address Line 1:

Address Line 2: SUITE 100

Address Line 4: HOUSTON, TEXAS 77024

ATTORNEY DOCKET NUMBER:	S9677
NAME OF SUBMITTER:	NEVA DARE
SIGNATURE:	/Neva Dare/
DATE SIGNED:	08/12/2016

Total Attachments: 2

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> **PATENT** REEL: 039417 FRAME: 0191 503958063

Ref. No: Serie S9677

Assignment of Invention

WHEREAS [I/WE], FRENAL Antoine, MULLER Denis and ROBERT Didier, have invented certain new and useful improvements documented in a patent application entitled "Gas supply device" for which a United States patent application was filed on Sept S, 2014, having Application No. PCT/FR 2014, 052 136

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 FRENAL Antoine, MULLER Denis and ROBERT Didler 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.

[IWE] 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: 23/03/2016	
22/02/2/	FRENAL Antoine, , (Inventor)
Date: <u>22/03/2016</u>	MULLER Denis, (Inventor)
Date:	ROBERT Didier. (Inventor)

Ref. No: Serie S9677

Assignment of Invention

WHEREAS [I/WE], FRENAL Antoine, MULLER Denis and ROBERT Didier, have invented certain new and useful improvements documented in a patent application entitled "Gas supply device" for which a United States patent application was filed on No. 8011682046/052496

*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 FRENAL Antoine, MULLER Denis and ROBERT Didier 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.

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Date:			
Date:		FRENAL Antoine, , (Inventor)	
	00 0 0	MULLER Denis, (Inventor)	
Date: <u>- 22 + 03 - 2414</u>	<u> </u>	ROBERT Didier, (Inventor)	

PATENT REEL: 039417 FRAME: 0193

RECORDED: 08/12/2016