

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7329269

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANTONIO SANCHEZ	10/05/2018
GENNADIY ITOV	11/08/2018
COLE RITTER	09/21/2018
GRIGORY NIKIFOROV	09/20/2018
PENG ZHANG	10/08/2018
JEAN-MARC GIRARD	10/05/2018
ZHIWEN WAN	09/24/2018
GLENN KUCHENBEISER	09/20/2018
SEAN KERRIGAN	09/21/2018
DAVID ORBAN	10/05/2021
RENO PESARESI	10/05/2021
MATTHEW DAMIEN STEPHENS	10/27/2020
<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>
Application Number:	16971869
<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@AIRLIQUIDE.COM
<b>Correspondent Name:</b>	AIR LIQUIDE USA LLC
<b>Address Line 1:</b>	9811 KATY FREEWAY

**Address Line 2:** SUITE 100  
**Address Line 4:** HOUSTON, TEXAS 77024

**ATTORNEY DOCKET NUMBER:** 2018P00068

**NAME OF SUBMITTER:** NEVA DARE

**SIGNATURE:** /Neva Dare/

**DATE SIGNED:** 05/13/2022

**Total Attachments: 20**

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source=2018P00068\_US\_Assignment Inventors to ALSA (sn 16971869)#page20.tif

**Assignment of Invention**

WHEREAS, Antonio SANCHEZ, Gennadiy ITOV, Manish KHANDELWAL, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, Yang WANG, Guillaume HUSSON, and Grigory NIKIFOROV have invented certain new and useful improvements documented in a patent application entitled, "Perhydropolysilazane Compositions and Methods for Forming Oxide Films Using Same" for which a United States patent application was filed on February 21, 2018, having Application No. 62/633,193;

WHEREAS, L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation (hereinafter referred to as "ASSIGNEE") having a place of business at 75 Quai d'Orsay, 75007 Paris, FRANCE, desires to acquire from Antonio SANCHEZ, Gennadiy ITOV, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, and Grigory NIKIFOROV the entire right, title and interest 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 and in any and all foreign countries;

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Date: 10/05/2018
  
 Antonio SANCHEZ, Inventor

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

Gennadiy ITOV, Inventor

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

Cole RITTER, Inventor

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

Peng ZHANG, Inventor

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

Jean-Marc GIRARD, Inventor

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

Zhiwen WAN, Inventor

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

Glenn KUCHENBEISER, Inventor

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

Sean KERRIGAN, Inventor

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

Grigory NIKIFOROV, Inventor

*Assignment of Invention*

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

Antonio SANCHEZ, Inventor

Date: 11/8/18

Gennadiy ITOV, Inventor

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

Cole RITTER, inventor

Date: _____	_____
	Peng ZHANG, Inventor
Date: _____	_____
	Jean-Marc GIRARD, Inventor
Date: _____	_____
	Zhiwen WAN, Inventor
Date: _____	_____
	Glenn KUCHENBEISER, Inventor
Date: _____	_____
	Sean KERRIGAN, Inventor
Date: _____	_____
	Grigory NIKIFOROV, Inventor

**Assignment of Invention**

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

\_\_\_\_\_  
Antonio SANCHEZ, Inventor

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

\_\_\_\_\_  
Gennadiy ITOV, InventorDate: 9/21/2018Cole J. Ritter  
\_\_\_\_\_  
Cole RITTER, Inventor

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

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Peng ZHANG, Inventor

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

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Jean-Marc GIRARD, Inventor

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

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Zhiwen WAN, Inventor

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

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

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Sean KERRIGAN, Inventor

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Grigory NIKIFOROV, Inventor



**Assignment of Invention**

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

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Antonio SANCHEZ, Inventor

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

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Gennadiy ITOV, Inventor

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

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

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

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Jean-Marc GIRARD, Inventor

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

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Zhiwen WAN, Inventor

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

\_\_\_\_\_  
Glenn KUCHENBEISER, Inventor

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

\_\_\_\_\_  
Sean KERRIGAN, Inventor

Date: 09/20/2018

  
\_\_\_\_\_  
Grigory NIKIFOROV, Inventor

*Assignment of Invention*

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Antonio SANCHEZ, Inventor

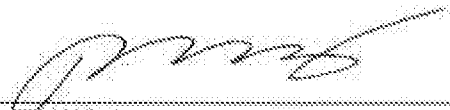
Date: \_\_\_\_\_

Gennadiy ITOV, Inventor

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

Cole RITTER, Inventor

Date: 10/8/2018

  
\_\_\_\_\_  
Peng ZHANG, Inventor

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

\_\_\_\_\_  
Jean-Marc GIRARD, Inventor

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

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Antonio SANCHEZ, Inventor

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

Gennadiy ITOV, Inventor

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

Cole RITTER, Inventor

**PATENT****REEL: 059899 FRAME: 0794**

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

\_\_\_\_\_  
Peng ZHANG, Inventor

Date: Oct 5<sup>th</sup> 2018

  
\_\_\_\_\_  
Jean-Marc GIRARD, Inventor

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

\_\_\_\_\_  
Zhiwen WAN, Inventor

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

\_\_\_\_\_  
Glenn KUCHENBEISER, Inventor

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

\_\_\_\_\_  
Sean KERRIGAN, Inventor

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

\_\_\_\_\_  
Grigory NIKIFOROV, Inventor

**Assignment of Invention**

WHEREAS, Antonio SANCHEZ, Gennadiy ITOV, Manish KHANDELWAL, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, Yang WANG, Guillaume HUSSON, and Grigory NIKIFOROV have invented certain new and useful improvements documented in a patent application entitled, "Perhydropolysilazane Compositions and Methods for Forming Oxide Films Using Same" for which a United States patent application was filed on February 21, 2018, having Application No. 62/633,193;

WHEREAS, L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation (hereinafter referred to as "ASSIGNEE") having a place of business at 75 Quai d'Orsay, 75007 Paris, FRANCE, desires to acquire from Antonio SANCHEZ, Gennadiy ITOV, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, and Grigory NIKIFOROV the entire right, title and interest 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 and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, 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 and in all foreign countries, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, 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 any and all foreign countries and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, continuations-in-part, reexaminations, substitutions and renewals thereof.

We hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries 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, we agree that 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 and in any and all foreign countries.

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

Antonio SANCHEZ, Inventor

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

Gennadiy ITOV, Inventor

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

Cole RITTER, Inventor

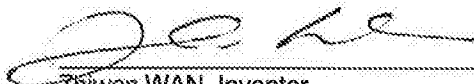
Date: \_\_\_\_\_

\_\_\_\_\_  
Peng ZHANG, Inventor

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

\_\_\_\_\_  
Jean-Marc GIRARD, Inventor

Date: 9/24/18

  
\_\_\_\_\_  
Zhiwen WAN, Inventor

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

\_\_\_\_\_  
Glenn KUCHENBEISER, Inventor

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

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

Antonio SANCHEZ, Inventor

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Cole RITTER, Inventor

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Peng ZHANG, Inventor

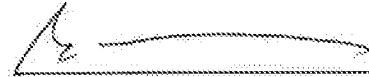
Date: \_\_\_\_\_

Jean-Marc GIRARD, Inventor

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

Zhiwen WAN, Inventor

Date: 9-20-2018



Glenn KUCHENBEISER, Inventor

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

Sean KERRIGAN, Inventor

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

Grigory NIKIFOROV, Inventor

*Assignment of Invention*

WHEREAS, Antonio SANCHEZ, Gennadiy ITOV, Manish KHANDELWAL, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, Yang WANG, Guillaume HUSSON, and Grigory NIKIFOROV have invented certain new and useful improvements documented in a patent application entitled, "Perhydropolysilazane Compositions and Methods for Forming Oxide Films Using Same" for which a United States patent application was filed on February 21, 2018, having Application No. 62/633,193;

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

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

Gennadiy ITOV, Inventor

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

Cole RITTER, Inventor

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

Peng ZHANG, Inventor

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

Jean-Marc GIRARD, Inventor


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

Zhiwen WAN, Inventor

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

Glenn KUCHENBEISER, Inventor

Date: 9.21.18

  
Sean KERRIGAN, Inventor

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

Grigory NIKIFOROV, Inventor

**Assignment of Invention**

WHEREAS, WE, Antonio SANCHEZ, Gennadiy ITOV, Manish KHANDELWAL, Cole RITTER, Peng ZHANG, Jean-Marc GIRARD, Zhiwen WAN, Glenn KUCHENBEISER, David ORBAN, Sean KERRIGAN, Reno PESARESI, Matthew Damien STEPHENS, Yang WANG, Guillaume HUSSON, and Grigory NIKIFOROV have invented certain new and useful improvements documented in a patent application entitled, PERHYDROPOLYSILAZANE COMPOSITIONS AND METHODS FOR FORMING OXIDE FILMS USING SAME, for which a United States patent application was filed on August 21, 2020, having Application No. 16/971,869;

WHEREAS, L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude, a French corporation (hereinafter referred to as "ASSIGNEE") having a place of business at 75 Quai d'Orsay, 75007 Paris, FRANCE, desires to acquire from David ORBAN, Reno PESARESI and Matthew Damien STEPHENS, the entire right, title and interest 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 and in any and all foreign countries;

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Date: 10/5/2021

  
David ORBAN, Inventor

Date: 10/5/2021

  
Reno PESARESI, Inventor

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

\_\_\_\_\_  
Matthew Damien STEPHENS, Inventor

**Assignment of Invention**

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

David ORBAN, Inventor

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

Reno PESARESI Inventor

Date: 10/22/2020
  
Matthew Damien STEPHENS, Inventor
**PATENT**