

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4810926

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AIR LIQUIDE ADVANCED MATERIALS, LLC	03/10/2016
RECEIVING PARTY DATA	
Name:	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
Street Address:	75, QUAI D'ORSAY
City:	PARIS
State/Country:	FRANCE
Postal Code:	75007
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15025198
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	(713)624-8952
Email:	diana.guzman@airliquide.com
Correspondent Name:	AMERICAN AIR LIQUIDE, INC. IP DEPT.
Address Line 1:	9811 KATY FREEWAY
Address Line 2:	SUITE 100
Address Line 4:	HOUSTON, TEXAS 77024
ATTORNEY DOCKET NUMBER:	S10053 NP
NAME OF SUBMITTER:	PATRICIA E. MCQUEENEY
SIGNATURE:	/Patricia E. McQueeney #49083/
DATE SIGNED:	02/06/2018
Total Attachments: 10	
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Confirmatory Patent Assignment

This CONFIRMATORY PATENT ASSIGNMENT (this "Assignment") dated as of March 10, 2016 (the "Effective Date") is entered into by and between Air Liquide Advanced Materials, Inc., a Delaware corporation, Air Liquide Advanced Materials, LLC, a Delaware limited liability company (each an "Assignor" and, collectively, "Assignors"), and L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés George Claude, a French company ("Assignee"). Assignors and Assignee may collectively be referred to herein as the "Parties."

WITNESSETH:

WHEREAS, prior to recording a change of name with the State of Delaware on January 1, 2015, Air Liquide Advanced Materials, Inc., was known as Voltaix, Inc.;

WHEREAS, prior to recording a change of name with the State of Delaware on January 1, 2015, Air Liquide Advanced Materials, LLC, was known as Voltaix, LLC;

WHEREAS, Assignors and Assignee have previously executed an INTELLECTUAL PROPERTY ASSIGNMENT ("IPA") effectively dated September 24, 2013, whereby, for good and valuable consideration, Assignors irrevocably assigned to Assignee certain know-how, trade secrets and confidential information, including such rights in inventions and invention disclosures, in any jurisdiction ("IP");

WHEREAS, in the IPA, Assignors agreed to take reasonable actions and execute and deliver documents that Assignee may request to perfect Assignee's title in and to the IP;

WHEREAS, Assignors filed U.S. provisional patent application number 61/883,452 on September 27, 2013 entitled "Halide and Aminohalide Free Aminosilanes and Synthesis Methods Thereof" (the "Patent Rights"), which was included in the scope of assigned subject matter stipulated by the terms of the IPA; and

WHEREAS, the Parties wish to execute this Assignment, memorializing the assignment of Assignors' rights, title and interest in and to the Patent Rights.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties acknowledge and memorialize the following:

1. Assignment. Pursuant to and subject to the terms and conditions of the IPA, Assignors hereby irrevocably assign, transfer, sell and convey to Assignee, its successors and assigns, and Assignee hereby accepts, all of Assignors' entire right, title, and interest in and to the Patent Rights, including the inventions claimed therein and any reissues, reexaminations, divisionals, continuations, continuations-in-part, extensions, counterparts, and renewals and extensions of such Patent Rights already granted and which may be granted, including but not limited to those listed in Schedule A, with any and all rights derived therefrom, including statutory and contractual rights, the same to be held and enjoyed by Assignee for its own use and enjoyment and the use and enjoyment of its successors and assigns as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made, including all causes of action (either in law or in equity) relating thereto, together with the

right to sue and recover damages for future, present and past misappropriations of the Patent Rights, and all income, royalties, damages and payments now or hereafter due or payable with respect to the Patent Rights.

2. Recordation. Assignee shall be solely responsible for all actions and all costs and expenses whatsoever, including but not limited to taxes, attorneys' fees and patent office fees in any jurisdiction, associated with the perfection of Assignee's right, title and interest in and to the Patent Rights and recordation and/or registration of this Assignment or any other document evidencing the assignment to Assignee of the Patent Rights. The Assignors hereby authorize the Director of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities, to record Assignee as the assignee and owner of the Patent Rights and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment, including but not limited to issuing any and all Letters Patents of the United States (or corresponding documents in any applicable foreign countries) on inventions claimed in the Patent Rights.

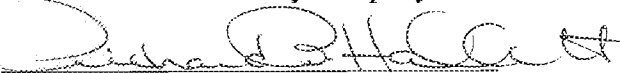
3. Purpose of Acknowledgement. The Parties understand that this Assignment is meant solely to memorialize the occurrence of the past transactions described herein for recordation purposes.

[Remainder of this page intentionally left blank]

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representatives as of the Effective Date.

ASSIGNOR

AIR LIQUIDE ADVANCED
MATERIALS, LLC,
a Delaware limited liability company

By: 

Name: Richard B. Hallett

Title: Chief Financial Officer

AIR LIQUIDE ADVANCED
MATERIALS, INC.,
a Delaware corporation

By: 

Name: Richard B. Hallett

Title: Chief Financial Officer

ASSIGNEE

L'AIR LIQUIDE SOCIÉTÉ ANONYME
POUR L'ETUDE ET
L'EXPLOITATION DES PROCÉDÉS
GEORGE CLAUDE,
a French company

By: _____

Name: Charlotta Ljungdahl

Title: Intellectual Property Director

SCHEDULE A**Patent Rights**

Title (Country)	Inventor(s) Name(s)	Owner	Appl. No.	Filing Date	Patent No.
Halide and Aminohalide Free Aminosilanes and Synthesis Methods Thereof	Antonio SANCHEZ; Gennadiy ITOV; Peng ZHANG; Matthew Damien STEPHENS	Voltaix, LLC	61/883,452	9/27/13	--
Halogen Free Synthesis of Aminosilanes by Catalytic Dehydrogenative Coupling	Antonio SANCHEZ; Gennadiy ITOV; Peng ZHANG; Matthew Damien STEPHENS	Voltaix, LLC	14/491,581	9/19/14	--
Amine Substituted Trisilylamine and Tridisilylamine Compounds and Synthesis Methods Thereof	Antonio SANCHEZ; Jean-Marc GIRARD; Gennadiy ITOV; Manish KHANDEWAL; Peng ZHANG; Matthew Damien STEPHENS	Voltaix, LLC and L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés George Claude	PCT/US14/56618	9/19/14	--

Title (Country)	Inventor(s) Name(s)	Owner	Appl. No.	Filing Date	Patent No.
Halogen Free Syntheses of Aminosilanes by Catalytic Dehydrogenative Coupling	Antonio SANCHEZ; Gennadiy ITOV; Peng ZHANG; Matthew Damien STEPHENS; Manish KHANDEWAL	Voltaix, LLC	PCT/US14/57377	9/25/14	--
Halogen Free Syntheses of Aminosilanes by Catalytic Dehydrogenative Coupling	Antonio SANCHEZ; Gennadiy ITOV; Peng ZHANG; Matthew Damien STEPHENS	Voltaix, LLC	TW103133694	9/26/14	--
Amine Substituted Trisilylamine and Tridisilylamine Compounds and Synthesis Methods Thereof	Antonio SANCHEZ; Jean-Marc GIRARD	Voltaix, LLC and L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés George Claude	TW103133646	9/26/14	--

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WHEREAS, in the IPA, Assignors agreed to take reasonable actions and execute and deliver documents that Assignee may request to perfect Assignee's title in and to the IP;

WHEREAS, Assignors filed U.S. provisional patent application number 61/883,452 on September 27, 2013 entitled "Halide and Aminohalide Free Aminosilanes and Synthesis Methods Thereof" (the "Patent Rights"), which was included in the scope of assigned subject matter stipulated by the terms of the IPA; and

WHEREAS, the Parties wish to execute this Assignment, memorializing the assignment of Assignors' rights, title and interest in and to the Patent Rights.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties acknowledge and memorialize the following:

1. Assignment. Pursuant to and subject to the terms and conditions of the IPA, Assignors hereby irrevocably assign, transfer, sell and convey to Assignee, its successors and assigns, and Assignee hereby accepts, all of Assignors' entire right, title, and interest in and to the Patent Rights, including the inventions claimed therein and any reissues, reexaminations, divisionals, continuations, continuations-in-part, extensions, counterparts, and renewals and extensions of such Patent Rights already granted and which may be granted, including but not limited to those listed in Schedule A, with any and all rights derived therefrom, including statutory and contractual rights, the same to be held and enjoyed by Assignee for its own use and enjoyment and the use and enjoyment of its successors and assigns as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made, including all causes of action (either in law or in equity) relating thereto, together with the

right to sue and recover damages for future, present and past misappropriations of the Patent Rights, and all income, royalties, damages and payments now or hereafter due or payable with respect to the Patent Rights.

2. Recordation. Assignee shall be solely responsible for all actions and all costs and expenses whatsoever, including but not limited to taxes, attorneys' fees and patent office fees in any jurisdiction, associated with the perfection of Assignee's right, title and interest in and to the Patent Rights and recordation and/or registration of this Assignment or any other document evidencing the assignment to Assignee of the Patent Rights. The Assignors hereby authorize the Director of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities, to record Assignee as the assignee and owner of the Patent Rights and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment, including but not limited to issuing any and all Letters Patents of the United States (or corresponding documents in any applicable foreign countries) on inventions claimed in the Patent Rights.

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ASSIGNOR

AIR LIQUIDE ADVANCED
MATERIALS, LLC,
a Delaware limited liability company

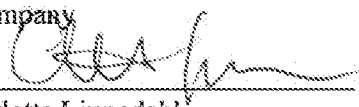
By: _____
Name: Richard B. Hallett
Title: Chief Financial Officer

AIR LIQUIDE ADVANCED
MATERIALS, INC.,
a Delaware corporation

By: _____
Name: Richard B. Hallett
Title: Chief Financial Officer

ASSIGNEE

L'AIR LIQUIDE SOCIÉTÉ ANONYME
POUR L'ETUDE ET
L'EXPLOITATION DES PROCÉDÉS
GEORGE CLAUDE,
a French company

By:  _____
Name: Charlotta Ljungdahl
Title: Intellectual Property Director

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