

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Asli ERTAN</td> <td>06/16/2010</td> </tr> <tr> <td>Nathan STAFFORD</td> <td>06/16/2010</td> </tr> <tr> <td>Christian DUSSARRAT</td> <td>06/16/2010</td> </tr> <tr> <td>Dmitry ZNAMENSKY</td> <td>06/26/2010</td> </tr> </tbody> </table>		Name	Execution Date	Asli ERTAN	06/16/2010	Nathan STAFFORD	06/16/2010	Christian DUSSARRAT	06/16/2010	Dmitry ZNAMENSKY	06/26/2010
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>American Air Liquide, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>46409 Landing Parkway</td> </tr> <tr> <td>City:</td> <td>Fremont</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	American Air Liquide, Inc.	Street Address:	46409 Landing Parkway	City:	Fremont	State/Country:	CALIFORNIA	Postal Code:	94538
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Application Number:	61176309										
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CORRESPONDENCE DATA											
<p>Fax Number: (713)624-8950 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7136248973 Email: diana.guzman@airliquide.com</p> <p>Correspondent Name: Air Liquide IP Dept. Address Line 1: 2700 Post Oak Blvd. Address Line 2: Suite 1800 Address Line 4: Houston, TEXAS 77056</p>											
ATTORNEY DOCKET NUMBER:	SERIE 8055										
NAME OF SUBMITTER:	Patricia E. McQueeney, #49083										

CH \$80.00 61176309

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PATENT
REEL: 024636 FRAME: 0355

Total Attachments: 4

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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Asli ERTAN	Jun. 16, 2010
Nathan STAFFORD	Jun. 16, 2010
Christian DUSSARRAT	Jun. 16, 2010
Dmitry ZNAMENSKY	Jun. 26, 2010

Additional name(s) of conveying party(ies) attached? Yes ☒ No**2. Name and address of receiving party(ies):**Name: **American Air Liquide, Inc.**Street Address: **46409 Landing Parkway**City: **Fremont** State: **CA** Zip: **94538**Additional name(s) & address(es) attached? Yes ☒ No**3. Nature of Conveyance:**

<input checked="" type="checkbox"/> Assignment	Merger
Security Agreement	Change of Name
Other	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):**61/176,309, filed May 7, 2009**
PCT/US2010/033209, filed April 30, 2010**B. Patent No.(s):**Additional numbers attached? Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: **Patricia E. McQueeney**
Internal Address: **Suite 1800**
Street Address: **2700 Post Oak Blvd.**
City: **Houston** State: **TX** Zip: **77056**
Phone: **(302) 286-5458** Fax: **(713) 624-8950**
E-mail Address: **patricia.mcqueeney@airliquide.com****6. Total number of applications and patents involved:** 1**7. Total fee (37 C.F.R. § 3.41)** **\$40.00**
Enclosed☒ Authorized to be charged to deposit account**8. Payment Information**a. Deposit Account Number: **01-1375**b. Authorized User Name: **Diana Guzman**

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patricia E. McQueeney, Reg. No. 49,083
Name of Person Signing/Patricia E. McQueeney
SignatureJuly 6, 2010
DateTotal number of pages including cover sheet, attachments and documents: **4**

Assignment of Invention

WHEREAS WE, Asli ERTAN, Nathan STAFFORD, Christian DUSSARRAT, and Dmitry ZNAMENSKY, respectively, have invented certain new and useful improvements in "Method to Remove H-Containing Compound in Etching Gases" for which a provisional patent application was filed on May 07, 2009, having Application No. 61/176,309;

WHEREAS, American Air Liquide, Inc. (hereinafter referred to as "ASSIGNEE") having a place of business at 46409 Landing Parkway, Fremont, CA 94538, U.S.A., desires to acquire from Asli ERTAN, Nathan STAFFORD, Christian DUSSARRAT, and Dmitry ZNAMENSKY 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 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, 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 behoof 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 us 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.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification 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: 06/16/2010Asli Ertan
Asli ERTAN, Inventor

Date: _____

Nathan STAFFORD, Inventor

Date: _____

Christian DUSSARRAT, Inventor

Date: _____

Dmitry ZNAMENSKY, Inventor

Assignment of Invention

WHEREAS WE, **Asli ERTAN**, **Nathan STAFFORD**, **Christian DUSSARRAT**, and **Dmitry ZNAMENSKY**, respectively, have invented certain new and useful improvements in "Method to Remove H-Containing Compound in Etching Gases" for which a provisional patent application was filed on **May 07, 2009**, having Application No. **61/176,309**;

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Date: _____

Asli ERTAN, Inventor

Date: 6/15/10

Nathan STAFFORD, Inventor

Date: 6/15/2010

Christian DUSSARRAT, Inventor

Date: _____

Dmitry ZNAMENSKY, Inventor

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WHEREAS WE, **Asli ERTAN, Nathan STAFFORD, Christian DUSSARRAT, and Dmitry ZNAMENSKY**, respectively, have invented certain new and useful improvements in **Method To Remove H-Containing Compound In Etching Gases**, for which a provisional patent application was filed on **May 07, 2009**, having Application No. **61/176,309**;

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Date: _____

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Date: _____

Nathan STAFFORD, Inventor

Date: _____

Christian DUSSARRAT, InventorDate: 06.26.2010_____
Dmitry ZNAMENSKY, Inventor**PATENT**