

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>Shingo OKUBO</td> <td>02/24/2009</td> </tr> <tr> <td>Kazutaka YANAGITA</td> <td>02/24/2009</td> </tr> <tr> <td>Julien GATINEAU</td> <td>02/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Shingo OKUBO	02/24/2009	Kazutaka YANAGITA	02/24/2009	Julien GATINEAU	02/24/2009		
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude</td> </tr> <tr> <td>Street Address:</td> <td>75 Quai d'Orsay</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-75007</td> </tr> </table>		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:	F-75007
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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: 713-624-8973 Email: diana.guzman@airliquide.com</p> <p>Correspondent Name: Brandon S. Clark Address Line 1: 2700 Post Oak Blvd. Address Line 2: Suite 1800 Address Line 4: HOUSTON, TEXAS 77056</p>											
ATTORNEY DOCKET NUMBER:	SERIE 7981										
NAME OF SUBMITTER:	Brandon S. Clark #59,020										
Total Attachments: 2											

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PATENT
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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):

Shingo OKUBO Feb. 24, 2009
 Kazutaka YANAGITA Feb. 24, 2009
 Julien GATINEAU Feb. 24, 2009

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

3. Nature of Conveyance:

☒ Assignment Merger
 Security Agreement Change of Name
 Other

2. Name and address of receiving party(ies):

Name: L'Air Liquide, Société Anonyme pour
 l'Étude et l'Exploitation des Procédés Georges
 Claude

Street Address: 75 Quai d'Orsay

City: Paris Country: France Zip: F-75007

Additional name(s) & address(es) attached? Yes ☐ No ☒

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):

12/475,204, Filed May 29, 2009

B. Patent No.(s):

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brandon S. Clark
 Internal Address: Suite 1800
 Street Address: 2700 Post Oak Blvd.
 City: Houston State: TX Zip: 77056
 Phone: (713) 624-8787 Fax: (713) 624-8950
 E-mail Address: brandon.clark@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: Brandon S. Clark

(Attach duplicate copy of this page if paying by deposit account)

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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.

Brandon S. Clark, Reg. No. 59,020

Name of Person Signing


 Signature

July 22, 2009

Date

Total number of pages including cover sheet, attachments and documents: 2

Assignment of Invention

WHEREAS WE, **Shingo OKUBO, Kazutaka YANAGITA, and Julien GATINEAU**, respectively, have invented certain new and useful improvements in **New Ge-Te Binary Precursors For Phase Change Memory Applications**, for which a provisional application was filed on **May 29, 2008**, having application number **61/057,128**;

WHEREAS, **L'Air Liquide Société Anonyme Pour L'Étude Et L'Exploitation Des Procédes Georges Claude** (hereinafter referred to as "ASSIGNEE") having a place of business at: 75 Quai d'Orsay, F-75007 Paris, France, desires to acquire from **Shingo OKUBO, Kazutaka YANAGITA, and Julien GATINEAU**, 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: Feb. 24th. 2009

Shingo Okubo
Shingo OKUBO, (Inventor)

Date: Feb. 24th, 2009

Kazutaka Yanagita
Kazutaka YANAGITA, (Inventor)

Date: February 24, 2009

Julien Gatineau
Julien GATINEAU, (Inventor)