

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Edgar S. SANDERS Jr.</td> <td>09/14/2009</td> </tr> <tr> <td>Sarang GADRE</td> <td>09/11/2009</td> </tr> <tr> <td>Michael D. BENNETT</td> <td>09/11/2009</td> </tr> <tr> <td>Ian C. ROMAN</td> <td>09/10/2009</td> </tr> <tr> <td>David J. HASSE</td> <td>09/11/2009</td> </tr> <tr> <td>Indrasis MONDAL</td> <td>09/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Edgar S. SANDERS Jr.	09/14/2009	Sarang GADRE	09/11/2009	Michael D. BENNETT	09/11/2009	Ian C. ROMAN	09/10/2009	David J. HASSE	09/11/2009	Indrasis MONDAL	09/08/2009
Name	Execution Date														
Edgar S. SANDERS Jr.	09/14/2009														
Sarang GADRE	09/11/2009														
Michael D. BENNETT	09/11/2009														
Ian C. ROMAN	09/10/2009														
David J. HASSE	09/11/2009														
Indrasis MONDAL	09/08/2009														
<b>RECEIVING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude</td> </tr> <tr> <td><b>Street Address:</b></td> <td>75 Quai d'Orsay</td> </tr> <tr> <td><b>City:</b></td> <td>Paris</td> </tr> <tr> <td><b>State/Country:</b></td> <td>FRANCE</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>F-75007</td> </tr> </table>		<b>Name:</b>	L'Air Liquide Societe 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>Name:</b>	L'Air Liquide Societe 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: 2</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61185965</td> </tr> <tr> <td>Application Number:</td> <td>12502806</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61185965	Application Number:	12502806								
Property Type	Number														
Application Number:	61185965														
Application Number:	12502806														
<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (713)624-8950</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 713-624-8434</p> <p>Email: Camela.Hill@airliquide.com</p> <p>Correspondent Name: Air Liquide</p> <p>Address Line 1: 2700 Post Oak Blvd. Suite 1800</p> <p>Address Line 2: Intellectual Property Department</p> <p>Address Line 4: Houston, TEXAS 77056</p>															

CH \$80.00 61185965

500974480

**PATENT**  
**REEL: 023295 FRAME: 0686**

ATTORNEY DOCKET NUMBER:	SERIE 7894
NAME OF SUBMITTER:	Christopher J. Cronin
<b>Total Attachments: 4</b> source=S7894_US_2009-09-29_Assignment_and_CoverSheet_as_filed#page1.tif source=S7894_US_2009-09-29_Assignment_and_CoverSheet_as_filed#page2.tif source=S7894_US_2009-09-29_Assignment_and_CoverSheet_as_filed#page3.tif source=S7894_US_2009-09-29_Assignment_and_CoverSheet_as_filed#page4.tif	

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> <b>Edgar S. SANDERS, Jr. September 14, 2009</b> <b>Sarang GADRE September 11, 2009</b> <b>Michael D. BENNETT September 11, 2009</b> <b>Ian C. ROMAN September 10, 2009</b> <b>David J. HASSE September 11, 2009</b> <b>Indrasis MONDAL September 8, 2009</b>		<b>2. Name and address of receiving party(ies):</b>  Name: <b>L'Air Liquide Société Anonyme Pour L'Étude Et L'Exploitation Des Procédés Georges Claude</b>  Internal Address: <b>75 Quai d'Orsay</b>  Street Address: <b>75 Quai d'Orsay</b>  City: <b>F-75007 Paris</b> State: <b>FRANCE</b> Zip:  Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No	
<b>3. Nature of Conveyance:</b>  <input checked="" type="checkbox"/> Assignment                      Merger Security Agreement              Change of Name Other Execution Date: See Above			
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: _____  A. Patent Application No.(s):  <b>Application No.: 61/185,965</b> <b>Filed: June 10, 2009</b>  and  <b>Application No.: 12/502,806</b> <b>Filed: July 14, 2009</b>  Additional numbers attached? Yes <input type="checkbox"/> No			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: <b>Air Liquide IP Department</b>  Internal Address: <b>2700 Post Oak Blvd., Ste. 1800</b>  Street Address: <b>2700 Post Oak Blvd., Ste. 1800</b>  City: <b>Houston</b> State: <b>TX</b> Zip: <b>77056</b>		<b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px;">1</span>  <b>7. Total fee (37 C.F.R. § 3.41) \$40.00</b>  Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b> <b>01-1375</b> (Attach duplicate copy of this page if paying by deposit account)	

DO NOT USE THIS SPACE

**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.

**Christopher J. Cronin, Reg. No. 46,513**  
Name of Person Signing

**/Christopher J. Cronin/**  
Signature

**September 29, 2009**  
Date

Total number of pages including cover sheet, attachments and documents: 4

*Assignment of Invention*

WHEREAS WE, Edgar S. SANDERS, Jr., Sarang GADRE, Michael D. BENNETT, Ian C. ROMAN, David J. HASSE, and Indrasis MONDAL, respectively, have invented certain new and useful improvements in **Method and System for Membrane-Based Gas Recovery**, for which a provisional application was filed on **June 10, 2009**, having application number **61/185,965**, and an application for Letters Patent was filed on **July 14, 2009**, having Application No. **12/502,806**;

WHEREAS, **L'Air Liquide Société Anonyme Pour L'Étude Et L'Exploitation Des Procédés 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 **Edgar S. SANDERS, Jr., Sarang GADRE, Michael D. BENNETT, Ian C. ROMAN, David J. HASSE, and Indrasis MONDAL**, 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:

9-14-09

  
 Edgar S. SANDERS, Jr., (Inventor)

Date:

9/11/09

  
 Sarang GADRE, (Inventor)

Date:

9/11/09

  
 Michael D. BENNETT, (Inventor)

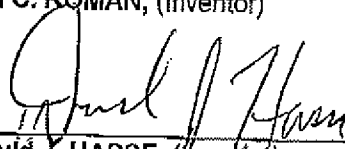
PATENT

REEL: 023295 FRAME: 0689

Date: Sep 10 2009

  
Ian C. ROMAN, (Inventor)

Date: Sept 11, 2009

  
David J. HASSE, (Inventor)

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

\_\_\_\_\_  
Indrasis MONDAL, (Inventor)

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

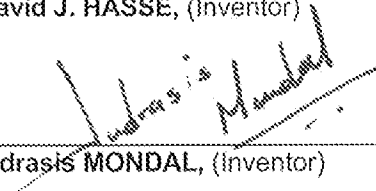
\_\_\_\_\_  
Ian C. ROMAN, (Inventor)

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

\_\_\_\_\_  
David J. HASSE, (Inventor)

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

09/09/2009

  
\_\_\_\_\_  
Indrasis MONDAL, (Inventor)