

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Remi-Pierre TSIAVA</td><td>08/22/2006</td></tr><tr><td>Bertrand LEROUX</td><td>08/22/2006</td></tr><tr><td>Christian IMBERNON</td><td>09/06/2006</td></tr></tbody></table>		Name	Execution Date	Remi-Pierre TSIAVA	08/22/2006	Bertrand LEROUX	08/22/2006	Christian IMBERNON	09/06/2006		
Name	Execution Date										
Remi-Pierre TSIAVA	08/22/2006										
Bertrand LEROUX	08/22/2006										
Christian IMBERNON	09/06/2006										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>L'Air Liquide, Societe Anonyme a Directoire et Conseil de Surveillance 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 CEDEX 07</td></tr><tr><td>State/Country:</td><td>FRANCE</td></tr><tr><td>Postal Code:</td><td>75321</td></tr></table>		Name:	L'Air Liquide, Societe Anonyme a Directoire et Conseil de Surveillance pour l'Etude et l'Exploitation des Procedes Georges Claude	Street Address:	75, Quai d'Orsay	City:	Paris CEDEX 07	State/Country:	FRANCE	Postal Code:	75321
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10582255</td></tr></tbody></table>		Property Type	Number	Application Number:	10582255						
Property Type	Number										
Application Number:	10582255										
CORRESPONDENCE DATA											
Fax Number: (713)624-8950 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	SERIE 5913										
NAME OF SUBMITTER:	Elwood L. Haynes #55,254										
Total Attachments: 2 source=S5913_FILED_3-23-07_Assignment_with_Cover#page1.tif											

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PATENT
REEL: 019059 FRAME: 0764

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):

Rémi-Pierre TSIAVA	August 22, 2006
Bertrand LEROUX	August 22, 2006
Christian IMBERNON	September 6, 2006

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒**3. Nature of Conveyance:**

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

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

Name: **L'Air Liquide, Société Anonyme à
Directoire et Conseil de Surveillance pour l'Étude
et l'Exploitation des Procédés Georges Claude**
Internal Address: **75 Quai d'Orsay**
Street Address: **75 Quai d'Orsay**
City: **75321 Paris** State: **Cedex 07**
Country: **France**

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):

10/582,255, Filed June 9, 2006
Filed Internationally December 6, 2004

B. Patent No.(s):Additional numbers attached? Yes ☐ No ☒**5. Name and address of party to whom
correspondence concerning document should be
mailed:**

Name: **Elwood L. Haynes**
Internal Address: **2700 Post Oak Blvd., Ste. 1800**
Street Address: **2700 Post Oak Blvd., Ste. 1800**
City: **Houston** State: **TX** Zip: **77056**
Phone: **(713) 624-8954** Fax: **(713) 624-8950**
E-mail Address: **elwood.haynes@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: **Elwood L. Haynes**

(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.

Elwood L. Haynes, Reg. No. 55,254

Name of Person Signing


Signature
March 23, 2007

Date

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

Assignment of Invention

WHEREAS, I, **Remi Pierre Tsiava**, 71 rue André Breton, 91250 St Germain les Corbeil, France ; **Bertrand LEROUX**, 3 passage de l'Industrie, 92130 Issy les Moulineaux, France ; **Christian Imbernon**, 1 Résidence Plein Sud, 94320 Thiais, France ; have invented certain new and useful improvements in "*Staged combustion method using a preheated oxidant*"

which: (a) an application for Letters Patent was filed on JUNE 9, 2006, having Application No. 10/582,255, or (b) for which an application for a United States patent was executed on _____, and

WHEREAS, **L'Air Liquide, Société Anonyme à Directoire et Conseil de Surveillance pour l'Etude et l'Exploitation des Procédés Georges Claude** (hereinafter referred to as "ASSIGNEE") having a place of business at: 75 quai d'Orsay 75321 PARIS CEDEX 07, France, desires to acquire the entire right, title and interest 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;


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 the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions, and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

We hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of our 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 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.


The undersigned hereby grant(s) 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: 22/08/06



Name of Inventor, Rémi Pierre TSIAVA

Date: 22/08/06



Name of Inventor, Bertrand LEROUX

Date: 06/09/06

Name of Inventor, Christian IMBERNON

Date: _____



Name of Inventor,

PATENT