PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bertrand LEROUX	12/03/2007
Remi TSIAVA	12/03/2007
Patrick Jean-Marie RECOURT	12/03/2007

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:	F-75007

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11813292

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Christopher J. Cronin

Total Attachments: 3

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PATENT

REEL: 023593 FRAME: 0439

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PATENT REEL: 023593 FRAME: 0440

FACSIMILE OF FORM PTO-1595 COMMERCE	RECORDATION	FORM (COVER SHEET	U.S. DEPARTMENT OF PATENT AND TRADEMARK OFFICE
	PATENTS C	NLY		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies):		2.	Name and address of	receiving party(ies):
Bertrand LEROUX Remi TSIAVA Patrick Jean-Marie RECOURT			L'Air Liquide Société Et L'Exploitation Des Claude	Anonyme Pour L'Étude Procedes Georges
Additional name(s) of conveying party(ies) attached	l? Yes ■ No			
3 Nature of Conveyance:		Internal	Address: 75 Quai d'O i	rsay
Security Agreement Ch	erger nange of Name	Street A	ddress: 75 Quai d'Or s	say
Other Execution Date: September 3, 2007		City: Pa	ris State: FRANCE	Zip: F-75007
		Additiona	ıl name(s) & address(es)	attached? Yes ■ No
4. Application number(s) or patent number	er(s):			
If this document is being filed together	· with a new applicati	ion, the e	execution date of the a	pplication is:
A. Patent Application No.(s):	.		Patent No.(s):	
Application No.: 11/813,292 Filed: July 3, 2007				
Addi	itional numbers attache	ed? Ye	s ■No	
5. Name and address of party to whom o concerning document should be maile Name: Air Liquide IP Department	correspondence	6.	mber of applications a	nd patents involved:
Internal Address: 2700 Post Oak Blv	rd., Ste. 1800	7.	Total fee (37 C.F.R. §	3.41) \$40.00
Street Address: 2700 Post Oak Blv	rd., Ste. 1800	1	Enclosed ■ Authorized to be cl	narged to deposit account
City: Houston State: TX Zip:	77056		Deposit account numb 01-1375 (Attach duplicate copy of this account)	
Г	OO NOT USE TH			
Statement and signature. To the best of my knowledge and belied true copy of the original document.	ef, the foregoing info	rmation	is true and correct and	any attached copy is a
Christopher J. Cronin, Reg. No. 46,513 Name of Person Signing	/Christopher J. C	Cronin/		December 2, 2009 Date
	Total number of pag	ges_inclu	iding cover sheet, attac	chments and documents: 3

PATENT REEL: 023593 FRAME: 0441 Ref. No.: Serie 6615

and

Assignment of Invention

WHEREAS, We,

LEROUX Bertrand, 3 Passage de l'Industrie – 92130 ISSY LES MOULINEAUX - France TSIAVA Rémi, 71, rue André Breton – 91250 SAINT GERMAIN LES CORBEIL – France RECOURT Patrick Jean Marie – 5 rue Toulouse Lautrec – 91460 MARCOUSSIS - France

respectively, have invented certain new and useful improvements in:

Staged combustion method for producing asymmetric flames

for which:		
(a) an application for Lette	rs Patent was filed on July 3,2007	
having Application No.	11/813,292	; OI
(b) for which an application	n for a United States patent was executed on	.

WHEREAS, L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude having a place of business at: 75,quai d'Orsay 75321 PARIS CEDEX 07, FRANCE, (hereinafter referred to as "ASSIGNEE(S)" desire(s) 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.

PATENT REEL: 023593 FRAME: 0442 The undersigned hereby grant(s) authorized representatives of the above identified ASSIGNEE(S) 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: Sept 30 2007

LEROUX Bertrand

Name of Inventor, (Inventor)

Date: Sopt 3, 04

TSIAVA Rémi

Name of Inventor, (Inventor)

Date: 03/09/07

RECOURT Patrick Jean-Marie Name of Inventor, (Inventor)

Date:

Name of Inventor, (Inventor)

Date:

Name of Inventor, (Inventor)

PATENT REEL: 023593 FRAME: 0443

RECORDED: 12/02/2009