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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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Benoit GRAND	05/29/2007
Patrick RECOURT	05/29/2007
Bertrand LEROUX	05/29/2007

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11721345

CORRESPONDENCE DATA

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PATENT REEL: 019405 FRAME: 0859

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Total Attachments: 3

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PATENT REEL: 019405 FRAME: 0860

FACSIMILE OF FORM PTO-1595 RECORDATION FO	PRM COVER SHEET U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
PATENT	'S ONLY
To the Director of the U.S. Patent and Trademark Office: Please	e record the attached documents or the new address(es) below.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Rémi TSIAVA Benoit GRAND Patrick RECOURT Bertrand LEROUX Additional name(s) of conveying party(ies) attached? Yes ■ No	Name: L'Air Liquide, Société Anonyme 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
3. Nature of Conveyance: Execution Date(s): May 29, 2007 ■ Assignment Merger Security Agreement Change of Name	Country: France
Other 4. Application number(s) or patent number(s): If this of	Additional name(s) & address(es) attached? Yes ■ No
· · · · · · · · · · · · · · · · · ·	document is being filed together with a new application, the tion date of the application is: June 11, 2007 B. Patent No.(s):
Additional numbers atta	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Christopher J. Cronin Internal Address: 2700 Post Oak Blvd., Ste. 1800 Street Address: 2700 Post Oak Blvd., Ste. 1800 City: Houston State: TX Zip: 77056 Phone: (713) 624-8953 Fax: (713) 624-8950 E-mail Address: christopher.cronin@airliquide.com	 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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 Statement and signature: To the best of my knowledge and belief, the foregoing infocopy of the original document. 	ormation is true and correct and any attached copy is a true
Elwood L. Haynes, Reg. No. 55,254 Name of Person Signing Signa	June 11, 2007 Date
Total number of na	ides including cover sheet, attachments and documents: 3

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PATENT

REEL: 019405 FRAME: 0861

for which:

Assignment of Invention

WHEREAS, We,

TSIAVA Rémi, 71, rue André Breton, 91250 SAINT GERMAIN-LES-CORBEIL – France GRAND Benoit, 30 Promenade Mona lisa, 78000 VERSAILLES – France RECOURT Patrick, 5 rue Toulouse Lautrec, 91460 MARCOUSSIS - France LEROUX Bertrand, 3 Passage de l'Industrie, 92130 ISSY- LES- MOULINEAUX - France

respectively, have invented certain new and useful improvements in:

Combustion method with cyclic supply of oxidant

(a) an application for Letters Patent was file	ed on HEREWITH	
having Application No		or
(b) for which an application for a United Sta	ates patent was executed on	
and		

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.

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.

PATENT REEL: 019405 FRAME: 0862

RECORDED: 06/11/2007

Date: 29/05/2007	TSIAVA Rémi Name of Inventor, (Inventor)
Date: <u>23/05/2007</u>	GRAND Benoit Name of Inventor, (Inventor)
Date: <u>1965 Jloo7</u>	RECOURT Patrick Name of Inventor, (Inventor)
Date: 29/05/2014	LEROUX Bertrand Name of Inventor, (Inventor)
Date:	Name of Inventor, (Inventor)
Date:	Name of Inventor, (Inventor)

PATENT REEL: 019405 FRAME: 0863