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FORM PTO-1595  
(Rev. 6/93)

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PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

EET

Attorney's Docket No. 000348-159

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

## 1. Name of conveying party(ies):

Gérard LE GOUEFFLEC

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

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other: \_\_\_\_\_

Execution Date: September 20, 1999

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

Name: L'AIR LIQUIDE, SOCIÉTÉ ANONYME  
POUR L'ÉTUDE ET L'EXPLOITATION DES  
PROCÉDES GEORGES CLAUDEAddress: 75 Quai d'Orsay75321 Paris Cedex 07FranceAdditional 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: September 20, 1999

A Patent Application No.(s)

B Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: E. Joseph GessAddress: BURNS, DOANE, SWECKER & MATHIS, L.L.P.P.O. Box 1404Alexandria, Virginia 22313-14046. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account, if necessary

## 8. Deposit account number:

02-4800

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.*E. Joseph Gess  
Name of Person SigningSignatureNovember 4, 1999  
DateTotal number of pages including cover sheet, attachments, and document: 3

11/18/1999 BTHOMAS 00000007 09433934 Mail documents to be recorded with required cover sheet information to:

02 FC:581

40.00 OP

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT**

(JOINT)

THIS ASSIGNMENT, by Gérard LE GOUEFFLEC

\_\_\_\_\_, and \_\_\_\_\_  
 residing at 2 bis du Chemin des Oiseaux, Le Bois des Roches, 78114 MAGNY LES  
HAMEAUX, FRANCE

and \_\_\_\_\_ (hereinafter referred  
 to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in \_\_\_\_\_  
Method of heating a continuously charged furnace particularly for steel making  
products and continuously charged heating furnace

set forth in an application for Letters Patent of the United States, ☐ which is a provisional  
 application to be filed herewith; ☒ which is a non-provisional application having an oath or  
 declaration executed on even date herewith prior to filing of application; ☐ bearing Application No.  
 \_\_\_\_\_, and filed on \_\_\_\_\_; and

WHEREAS, L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES  
GEORGES CLAUDE, a corporation duly organized under and pursuant to the laws of FRANCE and having  
 its principal place of business at 75 QUAI D'ORSAY, 75321 PARIS CEDEX 07, FRANCE (hereinafter  
 referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to  
 said inventions, the right to file applications on said inventions and the entire right, title and interest  
 in and to any applications, including provisional applications for Letters Patent of the United States  
 or other countries claiming priority to said application, and in and to any Letters Patent or Patents,  
 United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and  
 sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold,  
 assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over,  
 unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and  
 interest in and to the above-mentioned inventions, the right to file applications on said inventions  
 and the entire right, title and interest in and to any applications for Letters Patent of the United  
 States or other countries claiming priority to said applications, and any and all Letters Patent or  
 Patents of the United States of America and all foreign countries that may be granted therefor and  
 thereon, and in and to any and all applications claiming priority to said applications, divisions,  
 continuations, and continuations-in-part of said applications, and reissues and extensions of said  
 Letters Patent or Patents, and all rights under the International Convention for the Protection of  
 Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf  
 and the use and behalf of its successors, legal representatives, and assigns, to the full end of the  
 term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same  
 would have been held and enjoyed by the Assignors had this sale and assignment not been made;


AND for the same consideration, the Assignors hereby covenant and agree to and with  
 the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and  
 delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title,  
 and interest in and to the inventions set forth in said applications and said applications, including  
 provisional applications, above-mentioned, and that the same are unencumbered, and that the

Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date	<u>Sept 20<sup>th</sup> 1999</u>	Signature of Assignor	<u></u> GERARD LE GOUEFFLEC
Date	_____	Signature of Assignor	_____
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