

12-31-1998

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Attorney's Docket No. 016499-576

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

1. Name of conveying party(ies):

Ovidiu MARIN
Mahendra L. JOSHI
Oliver CHARON

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name

Execution Date: 11/30/98; 11/30/98; 12/3/98; respectively

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

Name: L' AIR LIQUIDE, SOCIETE ANONYME
POUR L'ETUDE ET, L'EXPLOITATION DES
PROCEDES GEORGES CLAUDE

Address: 75 quai d'Orsay
75321 Paris

Cedex 07

FRANCE

Additional name(s) & address(es) attached? [] Yes [X] 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)

09/156,753

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: E. Joseph Gess, Esq.

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00 E

[X] Enclosed

[] Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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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.

Adam J. Cermak (Regis.No. 40,391)

Name of Person Signing

Signature

December 24, 1998

Date

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

Mail documents to be recorded with required cover sheet information to:

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

12/29/1998 DNGUYEN 00000155 09156753

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Assignment of Invention

WHEREAS, WE Ovidiu MARIN, Mahendra L. JOSHI, Oliver CHARON, and Jacques DUGUE, respectively, have invented certain new and useful improvements in: PREFERENTIAL OXYGEN FIRING SYSTEM FOR COUNTER-CURRENT MINERAL CALCINING, for which an application for Letters Patent Serial No. 09/156,753, was filed September 18, 1998 and

WHEREAS, L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET, L'EXPLOITATION DES PROCEDES 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 from Ovidiu MARIN, Mahendra L. JOSHI and Oliver CHARON their entire right, title and interest they have in and to said invention and in and to any Letters Patent that may be granted thereof in any and all countries foreign to the United States of America;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, WE, by these presents do sell, assign and transfer unto said ASSIGNEE, all of our rights to said invention in all foreign countries and our entire right, title and interest in and to any and all Letters Patent which may be granted in any and all countries foreign to the United States of America and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

WE hereby authorize and request the Patent Office in any and all countries foreign to the United States of America 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 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 us 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 any and all countries foreign to the United States of America.

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 any and all countries foreign to the United States of America for recordation of this document.

EXECUTED AT: U.S.A.

Date: 11/30/98

Ovidiu Marin
Ovidiu MARIN, (Inventor)

Date: 11/30/98

M L Joshi
Mahendra L. JOSHI, (Inventor)

Date: 12/3/98

O. Charon
Oliver CHARON, (Inventor)