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DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney's Docket No. 000348-115

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

1. Name of conveying party(ies):

(1) André Chavand; (2) Marc Bourgeois;  
(3) Norbert Fanjat

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

3. Nature of conveyance:

☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other: Correction request of conveying parties;  
previously recorded at reel 9820, frame 0940

Execution Date: (1) 02/11/99; (2) 02/19/99; (3) 02/13/99

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 ☐ 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)

09/217,573

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 Gess

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

☒ Enclosed

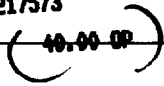
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8. Deposit account number:

02-4800

03/08/2000 BCDATES 00000057 09217573

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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.

E. Joseph Gess  
Name of Person Signing

[Signature]  
Signature

February 8, 2000  
Date

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**Additional Name and address of receiving party(ies):**

**Name:** ALPES SYSTEME AUTOMATION

**Address:** 15 Rue Irène Joliot-Curie  
38320 Eybens, France

**Name:** ETABLISSEMENT LABIELLE

**Address:** 18 Rue Aristide Bergés, Zone Industrielle  
38800 Le Pont De Claix, France

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FORM PTO-1595  
(Rev. 6/93)

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12-09-1999  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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(3) Norbert Fanjat

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09/217,573

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Alexandria, Virginia 22313-1404

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E. Joseph Gess  
Name of Person Signing

E. Joseph Gess  
Signature

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Date

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PATENT (10/97)  
REEL: 009820 FRAME: 0940

PATENT  
REEL: 010598 FRAME: 0157

**Additional Name and address of receiving party(ies):**

**Name: ALPES SYSTEME AUTOMATION**

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38320 Eybens, France**

**Name: ETABLISSEMENT LABIELLE**

**Address: 18 Rue Aristide Bergés, Zone Industrielle  
38800 Le Pont De Claix, France**

**PATENT**

**(10/97)**

**REEL: 009820 FRAME: 0941**

**PATENT**

**REEL: 010598 FRAME: 0158**

## ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by ANDRÉ CHAVAND, MARC BOURGEOIS, and Norbert Fanlat, residing at 1 RUE PAUL MISTRAL, 38320 EYBENS, FRANCE; 22 AVENUE DE L'EUROPE, 38120 SAINT-EGREVE, FRANCE and 12 PLACE GERMAINE TAILLEFERRE, 78180 MONTIGNY LE BRETONNEUX, FRANCE (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in DEVICE FOR DISTRIBUTING A WORKING GAS AND INSTALLATION FOR SUPPLYING A WORKING GAS THAT IS EQUIPPED WITH SUCH A DEVICE, ☐ 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. 09/217,573, and filed on DECEMBER 21, 1998; and

WHEREAS, L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE; ALPES SYSTEME AUTOMATION; AND ETABLISSEMENT LABIELLE, corporations duly organized under and pursuant to the laws of FRANCE and having their principal place of business at 75 QUAI D'ORSAY, 75321 PARIS CEDEX 07, FRANCE; 15 RUE IRENE JOLIOT-CURIE, 38320 EYBENS, FRANCE; and 18 RUE ARISTIDE BERGES, ZONE INDUSTRIELLE, 38800 LE PONT DE CLAIX, FRANCE, respectively, (hereinafter referred to as "the Assignees"), are 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 Assignees, 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 application, 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 Assignees, 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 Assignees, 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,

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 Assignees, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignees, 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 Assignees, its successors, legal representatives, and assigns, but at the cost and expense of the Assignees, its successors, legal representatives, and assigns;

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

Date 11/FEV/1991 Signature of Assignor

  
André Chavand

Date 19.01 99 Signature of Assignor

  
Marc Bourgeois

Date 13 FEB 99 Signature of Assignor

  
Norbert Fanjat