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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

RE 102985681  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**  
Mohamed BEN YAHIA  
Jin-Ming LIU  
  
Execution Date(s) March 22, 2005  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**2. Name and address of receiving party(ies)**  
Name: Valeo Climatisation S.A  
Internal Address: \_\_\_\_\_  
Street Address: 8, rue Louis-Lormand  
City: La Verriere  
State: \_\_\_\_\_  
Country: FRANCE Zip: 78321  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

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11/102901

**3. Nature of conveyance:**  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**4. Application or patent number(s):** ☒ This document is being filed together with a new application.  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Valeo Climate Control Corp.  
Internal Address: Intellectual Property Dept  
Street Address: 4100 North Atlantic Boulevard  
City: Auburn Hills  
State: Michigan Zip: 48326  
Phone Number: 248 209 84 35  
Fax Number: 248 209 82 05  
Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 502698  
Authorized User Name Ronald COURTNEY

**9. Signature:** [Signature] Signature Date April 8, 2005  
Ronald COURTNEY  
Total number of pages including cover sheet, attachments, and documents: 2

04/20/2005 DRYNE 00000263 502698 Name of Person Signing  
01 FC:8021 40.00 Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## Assignment of Rights, Title and Interest in Invention

# COPY

This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ United States of America rights, title and interest in the invention  
☒ Foreign rights, title and interest in the invention  
☐ United States Patent Application Serial No.  
    Date of Execution:  
    Date of Filing:  
☐ United States Patent No(s).  
☐ Other (specify):

Title of the Invention: Improved expansion device for an air conditioning system

### Inventor(s) (Assignors)

Name(s) Address(es)

1. Mohamed Ben Yahia - 15 rue Daubenton - 75005 PARIS (FR)
2. Jin-Ming Liu - 23 rue des Hautes Roches - 78700 CONFLANS ST HONORINE (FR)

### Assignee

Name: VALEO CLIMATISATION (a French "Société anonyme")  
Address: 8, rue Louis Lormand - 78321 LA VERRIERE (FR)

*Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");*

*And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;*

*Now, that for good and valuable consideration, the receipt whereof is hereby acknowledged;*

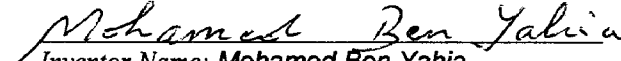
*We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee,*

*And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;*

*And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.*

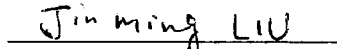
March 22, 2005

Date

  
Inventor Name: Mohamed Ben Yahia

March 22, 2005

Date

  
Inventor Name: Jin-Ming Liu