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1. Name of conveying party(ies)  
Christopher-Mark Rippl, Juergen Wagner  
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 Yes  No

2. Name and address of receiving party(ies)  
Name: Pfeiffer Vacuum GmbH  
Internal Address:  
Street Address: Berliner Strasse 43  
City: D-35614 Asslar, Germany.  
Additional name(s) & address(es) attached?  Yes  No

16834 U.S. PTO  
10752064  
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3. Nature of conveyance:  
 Assignment  
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Execution Date: December 9, 2003

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The application is: December 9, 2003  
A. Patent Application No.(s) B. Patent No.(s)  
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5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: David Toren  
Internal Address: SIDLEY AUSTIN BROWN & WOOD LLP  
Street Address: 787 Seventh Avenue  
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6. Total number of applications and patents involved ..... 1  
7. Total fee (37 CFR 3.41) ..... \$ 40.00  
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PATENT  
REEL: 014882 FRAME: 0184

**ASSIGNMENT OF U.S. PATENT APPLICATION**

**WHEREAS**, Christopher-Mark Rippl and Juergen Wagner, of Wetzlar and Mueschenbach, respectively, both of Germany, have invented certain new and useful improvements in

**TWIN-SHAFT VACUUM PUMP AND METHOD OF FORMING SAME**

for which they are about to make application for Letters Patent of the United States of America:

**AND WHEREAS, Pfeiffer Vacuum GmbH**

Berliner Strasse 43, D-35614 Asslar, Germany of \_\_\_\_\_ is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States:

**NOW THEREFORE**, be it known by all whom it may concern, that for and in consideration of the sum of One Dollar (\$1.00) and other valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we have assigned, sold and set over and by these presents do assign, sell and set over unto the said

**Pfeiffer Vacuum GmbH**

for the territory of the United States of America and not elsewhere, the full and exclusive right, title and interest in and to the said invention, as fully set forth and described in the specification filed herewith, preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be held and enjoyed by the said

**Pfeiffer Vacuum GmbH**

for its own use and behoof and for the use and behoof of its successors and assigns to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

**IN WITNESS WHEREOF**, I have hereunto set my hand:

In the presence of Witness:

[Signature]

Date 9.12.2003

In the presence of Witness:

[Signature]

Date 9.12.2003

In the presence of Witness:

\_\_\_\_\_  
Date

[Signature]

Christopher-Mark Rippl Date Dec. 9, 2003

[Signature]

Juergen Wagner Date Dec. 9, 2003

\_\_\_\_\_  
Date

**SIDLEY AUSTIN BROWN & WOOD LLP**  
787 Seventh Avenue, New York, NY 10019