**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

**FORM PTO-1595 U.S. (modified)**  
**DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**

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1. **Name of conveying party(ies):**  
   Peter van der Meulen

2. **Name and address of receiving party(ies):**  
   **Name:** BlueShift Technologies, Inc.  
   **Internal Address:**  
   **Street Address:** 6 Centennial Drive  
   Peabody, MA 01960

3. **Nature of conveyance:**  
   [X] Assignment  
   [ ] Merger  
   [ ] Security Agreement  
   [ ] Change of Name  
   [ ] Other

   **Execution Date:** 01/07/2005

4. **Application number(s) or patent number(s):** 10/985,727

   **Additional numbers attached?** [ ] Yes [X] No

5. **Name and address of party to whom correspondence Concerning document should be mailed:**  
   **Name:** Joseph Teja, Jr.  
   **Address:** Lowrie, Lando & Anastasi, LLP  
   Riverfront Office Park, 11th Floor  
   One Main Street  
   Cambridge, MA 02142

6. **Total number of applications and patents involved:** [1]

7. **Total fee (37 CFR 3.41)**  
   $40.00

   [ ] Enclosed  
   [X] Authorized to be charged to deposit account

   The Commissioner is authorized to charge any deficiencies in the enclosed payment to:

8. **Deposit Account No:** 50/2762

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**DO NOT USE THIS SPACE**

**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.

**Joseph Teja, Jr.**  
**Name of Person Signing**  
**Signature**  
**Date:** January 25, 2005

**Total number of pages including cover sheet, attachments, and document:** [3]

Mail documents to be recorded with required cover sheet information to (modify as appropriate):  
Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office (when filed separately from a new application)  
Commissioner for Patents (when filed with a new application)  
PO Box 1450, Alexandria, VA 22313-1450

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**PATENT**  
**REEL:** 015619 **FRAME:** 0596
ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned Peter van der Meulen, 7 Pine Street, Newburyport, MA 01950, hereby:

Sell, assign and transfer to BlueShift Technologies, Inc., a Massachusetts corporation having a place of business at 6 Centennial Drive, Peabody, MA 01960, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on November 10, 2004 under Application Serial No. 10/985,727 and entitled METHODS AND SYSTEMS FOR HANDLING A WORKPIECE IN VACUUM-BASED MATERIAL HANDLING SYSTEM, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions, including the application filed on November 10, 2003 under Application Serial No. 60/518,823 and entitled METHODS AND SYSTEMS FOR SEMICONDUCTOR MANUFACTURING and including the application filed on September 7, 2004 under Application Serial No. 60/607,649 and entitled METHODS AND SYSTEMS FOR SEMICONDUCTOR MANUFACTURING; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority;

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof; and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Date: 

January 7, 2005

Peter van der Meulen

STATE OF Massachusetts:
COUNTY OF Essex:

Subscribed and sworn to before me this 7th day of January, 2005

Theresa Gianmichele
Notary Public

My Commission Expires Dec. 1, 2006

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REEL: 015619 FRAME: 0597