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

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

## 1. Name of conveying party(ies):

PATRICK SPERANZA, P.E.  
MIA RENEE DANIELSAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 10/20/2005; 10/20/2005

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

Name: HARSCO TECHNOLOGIES CORPORATION

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

415 N. Main Street

City: Fairmont State: MN Zip: 56031

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: 10/20/2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David C. Jenkins

Internal Address: \_\_\_\_\_

Eckert Seamans Cherin &amp; Mellott, LLC

Street Address: \_\_\_\_\_

600 Grant Street, 44th Floor

City: Pittsburgh State: PA Zip: 15219

## 6. Total number of applications and patents involved: 1

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

- ☐ Enclosed  
☒ Authorized to charge credit card.  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 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.

David C. Jenkins

Name of Person Signing

Signature

October 26, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

10/31/2005 EHAILE1 00000040 11259438

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40.00 DP

PATENT  
REEL: 017149 FRAME: 0411

*Assignment*

WHEREAS, we **PATRICK SPERANZA** and **MIA RENEE DANIELS**, residing at **9434 Franklin Center Road, Cranesville, PA 16410** and **101 Fernwood Drive, Coraopolis, PA 15108**, respectively, have invented certain new and useful improvements in **REPLACEABLE OUTLET ON A CYLINDER VALVE** for which we have this day executed an application for United States Letters Patents;

AND WHEREAS **HARSCO TECHNOLOGIES CORPORATION**, having an address of **415 N. MAIN STREET, FAIRMONT, MINNESOTA 56031**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-parts, re-examinations, renewals, substitutions, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-parts, re-examinations, renewals, substitutions, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representations thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuations-in-part, re-examinations, renewal, substitute or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interest herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED October 20, 2005

Patrick Speranza  
Patrick Speranza

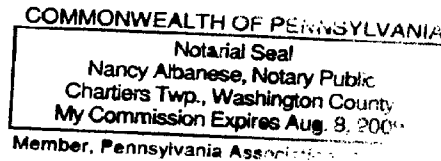
State of Pennsylvania :  
: ss.  
County of Washington :

Before me, a Notary Public in and for the said County and State, personally appeared PATRICK SPERANZA who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 20<sup>th</sup> day of OCTOBER, 2005.

Nancy Albanese  
Notary Public

(NOTARIAL SEAL)




EXECUTED OCTOBER 20, 2005

  
Mia Renee Daniels

State of PENNSYLVANIA :  
County of WASHINGTON : SS.

Before me, a Notary Public in and for the said County and State, personally appeared MIA RENEE DANIELS who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be her free and voluntary act and deed.

Witness my hand and notarial seal this 20<sup>TH</sup> day of OCTOBER 2005.

  
Notary Public

(NOTARIAL SEAL)

