

09-14-1998

FORM PTO-1593  
1-31-92U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100826175

Pat. Form 2-22

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

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

Robert Miller and Anthony Delucia

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: May 4, 1998

## 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:

A. Patent Application No.(s)

09/072,586

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Lewis F. Gould, Jr.

Internal Address: Eckert Seamans Cherin &  
MellottStreet Address: 1700 Market Street  
Suite 3232

City: Philadelphia State: PA ZIP 19103

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

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

☒ Enclosed☐ Authorized to be changed to deposit account8. Deposit account number: 07-1745  
(Any deficiencies)

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

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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.

Lewis F. Gould, Jr.

Name of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 4

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PATENT  
REEL: 9440 FRAME: 0815

## A S S I G N M E N T

WHEREAS, we, Robert Miller and Anthony Delucia, both citizens of the United States, residing respectively at 134 Chestnut Woods Lane, Columbia, South Carolina 29212, and 1232 Blackville Court, Gaston, South Carolina 29053, hereinafter referred to as "ASSIGNORS", are the inventors of certain inventions or improvements for RAIL VEHICLE FOR USE IN THE COLLECTION AND DISTRIBUTION OF RAILROAD CROSSTIES for which an application for Letter Patent of the United States was filed on May 4, 1998, under U.S. Patent Application SN 09/072,586; and

WHEREAS, Harsco Technologies Corporation, a corporation of Minnesota, having a principal place of business at 415 N. Main Street, Fairmount, Minnesota 56031, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said ASSIGNEE, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all foreign countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its heirs, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not have been made.

AND we hereby covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its heirs, assigns, nominees, or legal representatives, and we agree to communicate to said ASSIGNEE, or to its nominees all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its heirs, assigns, nominees and legal representatives to obtain and enforce for its own benefit proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all foreign countries;

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Date: MAY 4 / 98

  
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ROBERT MILLER

Date: MAY 5 / 98

  
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ANTHONY DELUCIA