

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEPHEN R. MIRANDA	07/16/2012
KIMBERLY A. PAPANIA	07/16/2012
RECEIVING PARTY DATA	
Name:	HARSCO CORPORATION
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State/Country:	PENNSYLVANIA
Postal Code:	17011
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14528547
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NAME OF SUBMITTER:	TARA R. BRYAN
SIGNATURE:	/Tara R. Bryan/
DATE SIGNED:	05/28/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	
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JOINT ASSIGNMENT OF APPLICATION

Whereas, We, **Stephen R. MIRANDA and Kimberly A. PAPANIA**, hereafter referred to as "applicants" or "assignors", who reside at the corresponding addresses provided below, have invented certain new and useful improvements in a(n) **AGRICULTURAL BINDER SYSTEM, AGRICULTURAL BLEND, AND PROCESS OF FORMING AN AGRICULTURAL BLEND**

- for which an application for a United States Patent will be subsequently filed. We hereby authorize and request an attorney having the power of attorney to prosecute the application from McNeese Wallace & Nurick LLC of 100 Pine Street, P.O. Box 1166, Harrisburg, PA 17108 to insert here in parenthesis (Application number _____, filed _____) the filing date and application number of the application when known.
- for which **International "PCT" Application No. PCT/US2011/051086** for a United States Patent was filed on **September 9, 2011**.

Whereas, **HARSCO CORPORATION**, whose street address is **350 Poplar Church Road, Camp Hill, Pennsylvania 17011, United States of America**, herein referred to as "assignee," is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is acknowledged and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We as assignors have sold, assigned, transferred, and set over, and hereby sell, assign, transfer and set over unto the assignee, its lawful successors and assigns, our entire right, title and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as

described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this assignment;

AND, We hereby covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We hereby further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce Letters Patent for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

We hereby declare that all statements made herein and on the accompanying Assignment Recordal Letter of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

IN WITNESS WHEREOF and INTENDING TO BE LEGALLY BOUND, we hereunto set our hands having read and understood this Assignment.

Stephen R. Miranda 7-16-12

Assignor Date

Stephen R. MIRANDA
1230 State Avenue
Coraopolis, Pennsylvania 15108
United States of America
Citizenship: United States

Joseph B. [Signature] 7-16-12

Witness Date

[Signature] 7-16-12

Witness

Date

Kimberly A. Papania 7-16-12
Assignor Date

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M. R. [Signature] 7/16/12
Witness Date

Witness

Date

Joseph K. [Signature] 7-16-12
Witness Date

Witness

Date