

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Randy A. FRIEDEL	10/18/2011
Edwin George MILOVICH	10/17/2011
Gregory R. LOVELL	10/18/2011
Paul H. WELCH	10/18/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARMSTRONG WORLD INDUSTRIES, INC.
<b>Street Address:</b>	2500 Columbia Avenue
<b>City:</b>	Lancaster
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	17603
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13274868
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(717)237-5300
<b>Phone:</b>	717-237-5455
<b>Email:</b>	ksmith@mwn.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Kerri J. Smith, Paralegal
<b>Address Line 1:</b>	100 PINE STREET
<b>Address Line 2:</b>	P.O. BOX 1166
<b>Address Line 4:</b>	HARRISBURG, PENNSYLVANIA 17108-1166
<b>ATTORNEY DOCKET NUMBER:</b>	FP-1110/17818-8858
<b>NAME OF SUBMITTER:</b>	Kerri J. Smith

CH \$40.00 13274868

501695744

**PATENT**  
**REEL: 027085 FRAME: 0599**

**Total Attachments: 8**

source=A2631816#page1.tif

source=A2631816#page2.tif

source=A2631816#page3.tif

source=A2631816#page4.tif

source=A2631816#page5.tif

source=A2631816#page6.tif

source=A2631816#page7.tif

source=A2631816#page8.tif

**JOINT ASSIGNMENT OF APPLICATION**

Whereas, We, **Randy A. FRIEDEL, Edwin George MILOVICH, Gregory R. LOVELL and Paul H. WELCH**, 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) **MATERIALS HANDLING SYSTEM, STRIATED PATTERNED PRODUCT, AND PROCESS OF FORMING A PATTERNED PRODUCT**

- 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 **McNees 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 an application for a United States Patent was filed on \_\_\_\_\_.

Whereas, **Armstrong World Industries, Inc.** whose street address is **2500 Columbia Avenue, Lancaster, Pennsylvania, 17603 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

Attorney Docket No.: FP-01110/17818-8858  
Application No.:

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.

Randy Friedel 10/18/11  
Assignor Date

Randy A. FRIEDEL  
1735 Hans Herr Drive  
Willow Street, Pennsylvania 17584  
United States of America

Bonnie Diller 10/18/11  
Witness Date

[Signature]  
Witness Date 10/18/11

Separate sheet  
Assignor Date

Edwin George MILOVICH  
24 Swatara Road  
Lebanon, Pennsylvania 17046  
United States of America

Bonnie Diller 10/18/11  
Witness Date

\_\_\_\_\_  
Witness Date


Gregory R. Lovell 10/18/11  
Assignor Date

Gregory R. LOVELL  
164 Stone Creek Road  
Lancaster, Pennsylvania 17603  
United States of America

Bonnie Diller 10/18/11  
Witness Date

Randy Friedel 10/18/11  
Witness Date

Attorney Docket No.: FP-011110/17818-8858  
Application No.:

  
\_\_\_\_\_

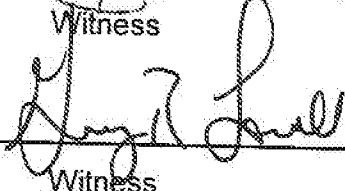
10/18/11

Assignor Date  
Paul H. WELCH  
32 Hawthorne Hill Cove  
Flowood, Mississippi 29232  
United States of America

  
\_\_\_\_\_

10/18/11

Witness Date

  
\_\_\_\_\_

10/18/11

Witness Date

**JOINT ASSIGNMENT OF APPLICATION**

Whereas, We, **Randy A. FRIEDEL, Edwin George MILOVICH, Gregory R. LOVELL and Paul H. WELCH**, 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) **MATERIALS HANDLING SYSTEM, STRIATED PATTERNED PRODUCT, AND PROCESS OF FORMING A PATTERNED PRODUCT**

- 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 McNees 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 an application for a United States Patent was filed on \_\_\_\_\_.

Whereas, **Armstrong World Industries, Inc.** whose street address is **2500 Columbia Avenue, Lancaster, Pennsylvania, 17603 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

**Attorney Docket No.: FP-01110/17818-8858**  
**Application No.:**

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.



Attorney Docket No.: FP-01110/17818-8858

Application No.:

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

_____ Assignor	_____ Date	_____ Witness	_____ Date
Randy A. FRIEDEL 1735 Hans Herr Drive Willow Street, Pennsylvania 17584 United States of America			
		_____ Witness	_____ Date

_____ Assignor	_____ Date	_____ Witness	_____ Date
Edwin George MILOVICH 24 Swatara Road Lebanon, Pennsylvania 17046 United States of America	10/17/2011	Robert P. Lush 10/17/11	10/17/11
		_____ Witness	_____ Date

_____ Assignor	_____ Date	_____ Witness	_____ Date
Gregory R. LOVELL 164 Stone Creek Road Lancaster, Pennsylvania 17603 United States of America			
		_____ Witness	_____ Date

Attorney Docket No.: FP-01110/17818-8858  
Application No.:

Assignor	Date	Witness	Date
Paul H. WELCH 32 Hawthorne Hill Cove Flowood, Mississippi 29232 United States of America			
		Witness	Date