

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAYMOND J. DONAHUE	07/01/2015
STEVEN C. KNICKEL	07/06/2015
TERRANCE M. CLEARY	07/01/2015
KEVIN R. ANDERSON	07/01/2015
KEVIN R. MORASCH	07/02/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BRUNSWICK CORPORATION
<b>Street Address:</b>	1 NORTH FIELD COURT
<b>City:</b>	LAKE FOREST
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60045
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14793306
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)271-5770
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	414-271-7590
<b>Email:</b>	chloem@andruslaw.com
<b>Correspondent Name:</b>	PETER T HOLSEN
<b>Address Line 1:</b>	100 E WISCONSIN AVE
<b>Address Line 2:</b>	SUITE 1100
<b>Address Line 4:</b>	MILWAUKEE, WISCONSIN 53202
<b>ATTORNEY DOCKET NUMBER:</b>	1636-00847
<b>NAME OF SUBMITTER:</b>	PETER T. HOLSEN
<b>SIGNATURE:</b>	/peter t holSEN/
<b>DATE SIGNED:</b>	07/15/2015
<b>Total Attachments: 4</b>	

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# ASSIGNMENT

I, identified below as "**Inventor**", have made certain new and useful improvements in an invention ("**Invention**"), as set forth in an application for United States Letters Patent executed or about to be executed by me or otherwise in which I am an inventor and bearing the following title and Attorney Docket No. and for which the Attorney of record is hereby authorized to insert the serial number and filing date when ascribed:

Title: **METHOD AND APPARATUS FOR AVOIDING EROSION IN A HIGH PRESSURE DIE CASTING SHOT SLEEVE FOR USE WITH LOW IRON ALUMINUM SILICON ALLOYS**

Application Number: 14/793,306

Filing Date: July 7, 2015

Atty. Docket No. 1636-00847

Customer No. 11787

For good and valuable consideration, I do hereby sell, assign, and transfer to Brunswick Corporation ("**Assignee**"), a Delaware corporation, located and doing business at One North Field Court, Lake Forest, Illinois 60045, and to its legal representatives, successors, and assigns, my entire right, title, and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention together with the right of priority thereto, to any prior or provisional application, including any application from which priority is claimed and the right of priority thereto, together with all patents resulting from such applications including any continuations, divisions, reissues, re-examinations and extensions thereof and any applications claiming priority therefrom. Assignee shall hold such right, title, and interest as fully and completely as such right, title and interest would have been held by me had this assignment and sale not been made.

I agree, upon Assignee's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that Assignee may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to Assignee any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to Assignee and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to Assignee, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Inventor: Raymond J. Donahue Date: July 1, 2015  
(Signature)

Name typed or printed: Raymond J. Donahue  
Address: N7818 Ledgeview Springs Drive  
Fond du Lac, WI 54937

State of Wisconsin )  
County of Fond du Lac ) ss

On this 1 day of JULY, 2015, before me personally appeared said **Raymond J. Donahue**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Theresa Woodruff  
Notary Public  
My Commission expires: 02-23-2018

Title: **METHOD AND APPARATUS FOR AVOIDING EROSION IN A HIGH PRESSURE DIE CASTING SHOT SLEEVE FOR USE WITH LOW IRON ALUMINUM SILICON ALLOYS**

Application Number: 14/793,306

Filing Date: July 7, 2015

Atty. Docket No. 1636-00847

Customer No. 11787

Inventor: Steven C. Knickel Date: 7/6/15  
(Signature)

Name typed or printed: Steven C. Knickel  
Address: 322 N. Fond du Lac Avenue  
Campbellsport, WI 53010

State of Wisconsin )  
County of Fond du Lac ) ss

On this 6 day of July, 2015, before me personally appeared said **Steven C. Knickel**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Theresa Woodruff  
Notary Public  
My Commission expires: 02-23-2018

Inventor: Terrance M. Cleary Date: July 2015  
(Signature)

Name typed or printed: Terrance M. Cleary  
Address: N8878 Mallard Lane  
Fond du Lac, WI 54935

State of Wisconsin )  
County of Fond du Lac ) ss

On this 1 day of July, 2015, before me personally appeared said **Terrance M. Cleary**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Theresa Woodruff  
Notary Public  
My Commission expires: 02-23-2018

Title: **METHOD AND APPARATUS FOR AVOIDING EROSION IN A HIGH PRESSURE DIE CASTING SHOT SLEEVE FOR USE WITH LOW IRON ALUMINUM SILICON ALLOYS**

Application Number: 14/793,306

Filing Date: July 7, 2015

Atty. Docket No. 1636-00847

Customer No. 11787

Inventor: Kevin R. Anderson Date: July 1, 2015  
(Signature)

Name typed or printed: Kevin R. Anderson  
Address: 1026 New Haven Avenue  
Fond du Lac, WI 54935

State of Wisconsin )  
County of Fond du Lac ) ss

On this 1 day of July, 2015, before me personally appeared said **Kevin R. Anderson**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Theresa Wooduff  
Notary Public  
My Commission expires: 02-23-2018

Inventor: Kevin R. Morasch Date: 7/2/15  
(Signature)

Name typed or printed: Kevin R. Morasch  
Address: 433 South Country Lane  
Fond du Lac, WI 54935

State of Wisconsin )  
County of Fond du Lac ) ss

On this 2<sup>ND</sup> day of July, 2015, before me personally appeared said **Kevin R. Morasch**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Mary K. Yang  
Notary Public  
My Commission expires: 01-26-18

Title: **METHOD AND APPARATUS FOR AVOIDING EROSION IN A HIGH PRESSURE DIE CASTING SHOT SLEEVE FOR USE WITH LOW IRON ALUMINUM SILICON ALLOYS**

Application Number: 14/793,306

Filing Date: July 7, 2015

Atty. Docket No. 1636-00847  
Customer No. 11787

Inventor: \_\_\_\_\_

(Signature)

Date: \_\_\_\_\_

7-6-2015

Name typed or printed: \_\_\_\_\_

Mark R. Witzel

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

1810 Delafield Street

Waukesha, WI 53188

State of \_\_\_\_\_

Wisconsin

County of \_\_\_\_\_

Waukesha

SS

On this 6<sup>th</sup> day of July, 2015, before me personally appeared said **Mark R. Witzel**, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My Commission expires: \_\_\_\_\_

12/9/2017