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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2762558

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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>                 |
| JASON S. ARBUCKLE   | 03/07/2014                            |
| MATTHEW W. SNYDER   | 03/06/2014                            |
| THOMAS S. KIRCHHOFF   | 03/06/2014                            |
| <b>RECEIVING PARTY DATA</b>   |                                       |
| <b>Name:</b>  | Brunswick Corporation                 |
| <b>Street Address:</b>  | One 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>  | 14200831                              |
| <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 via US Mail.</i> |                                       |
| <b>Phone:</b>   | 414-271-7590                          |
| <b>Email:</b>   | joannk@andruslaw.com                  |
| <b>Correspondent Name:</b>  | ANDRUS INTELLECTUAL PROPERTY LAW, LLP |
| <b>Address Line 1:</b>  | 100 EAST WISCONSIN AVENUE             |
| <b>Address Line 2:</b>  | SUITE 1100                            |
| <b>Address Line 4:</b>  | MILWAUKEE, WISCONSIN 53202            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 1636-00751                            |
| <b>NAME OF SUBMITTER:</b>   | EMILY M. HINKENS                      |
| <b>SIGNATURE:</b>   | /Emily M. Hinkens/                    |
| <b>DATE SIGNED:</b>   | 03/11/2014                            |
| <b>Total Attachments: 2</b>   |                                       |
| source=2014-03-11_M10565_1636-00751_Executed_Assignment#page1.tif   |                                       |
| source=2014-03-11_M10565_1636-00751_Executed_Assignment#page2.tif   |                                       |

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: **SYSTEMS AND METHODS FOR DETERMINING A HEADING VALUE OF A MARINE VESSEL**

Application Number: 14/200,831 Filing Date: 03/07/2014 Atty. Docket No. 1636-00751  
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: Jason S Arbuckle Date: 3/7/2014  
(Signature)

Name typed or printed: Jason S. Arbuckle  
Address: N7011 East Street  
Horicon, WI 53032

State of Wisconsin )  
County of Fond du Lac ) ss

On this 7 day of March, 2014, before me personally appeared said **Jason S. Arbuckle**, 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: 2-23-2018

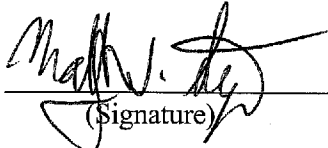
Title: **SYSTEMS AND METHODS FOR DETERMINING A HEADING VALUE OF A MARINE VESSEL**

Application Number: 14/200,831

Filing Date: 03/07/2014

Atty. Docket No. 1636-00751

Customer No. 11787

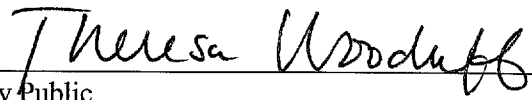
Inventor:  Date: 3/6/2014  
(Signature)

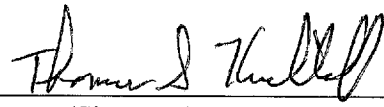
Name typed or printed: Matthew W. Snyder  
Address: N5468 Fairview Road  
Fond du Lac, WI 54937

State of Wisconsin )  
County of Fond du Lac ) ss

On this 6 day of March, 2014, before me personally appeared said **Matthew W. Snyder**, 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: 2-23-2018

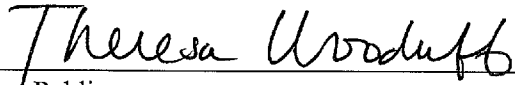
Inventor:  Date: 3/6/2014  
(Signature)

Name typed or printed: Thomas S. Kirchhoff  
Address: W4419 Overland Trail  
Fond du Lac, WI 54937

State of Wisconsin )  
County of Fond du Lac ) ss

On this 6 day of March, 2014, before me personally appeared said **Thomas S. Kirchhoff**, 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: 2-23-2018