

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John Brashear</td> <td>05/22/2013</td> </tr> <tr> <td>Jeff Cheek</td> <td>05/22/2013</td> </tr> <tr> <td>Jeremy Davis Ph.D</td> <td>05/22/2013</td> </tr> <tr> <td>James Doebbler</td> <td>05/22/2013</td> </tr> <tr> <td>Lasse Maeland Ph.D</td> <td>05/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	John Brashear	05/22/2013	Jeff Cheek	05/22/2013	Jeremy Davis Ph.D	05/22/2013	James Doebbler	05/22/2013	Lasse Maeland Ph.D	05/22/2013
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>VectorNav Technologies, LLC</td> </tr> <tr> <td>Street Address:</td> <td>903 N. Bowser Road</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 200</td> </tr> <tr> <td>City:</td> <td>Richardson</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75081</td> </tr> </table>		Name:	VectorNav Technologies, LLC	Street Address:	903 N. Bowser Road	Internal Address:	Suite 200	City:	Richardson	State/Country:	TEXAS	Postal Code:	75081
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CORRESPONDENCE DATA													
Fax Number: 2147581550 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-457-6000 Email: sasmith@pattonboggs.com Correspondent Name: PATTON BOGGS LLP Address Line 1: 2550 M Street, NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20037													
ATTORNEY DOCKET NUMBER:	031215.0102PTUS												
NAME OF SUBMITTER:	Brian D. Owens												

OP \$40.00 13901146

Signature:	/Brian D. Owens/
Date:	05/23/2013
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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by John Brashear, Jeff Cheek, Jeremy Davis, Ph.D., James Doebbler and Lasse Maeland, Ph.D. (hereinafter referred to as Assignors), residing at 11906 Oak Highland Dr., Dallas, TX 75243; 2619 Briarcove Dr., Plano, TX 75074; 11906 Oak Highland Dr., Dallas, TX 75243; 211 Arborview Dr., Wylie, TX 75098; and 2619 Briarcove Dr., Plano, TX 75074; respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in SYSTEM ON A CHIP INERTIAL NAVIGATION SYSTEM, set forth in a Patent Application for Letters Patent filed herewith; and

**WHEREAS**, VectorNav Technologies, LLC, a Texas Limited Liability Company, having its principal place of business at 903 N. Bowser Road, Suite 200, Richardson, Texas 75081 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners

of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

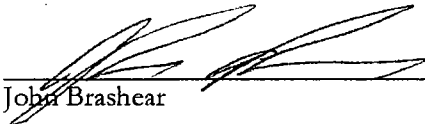
**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PATTON BOGGS LLP


All practitioners at Customer Number 32042

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.


Date: 5/22/13

Signature:   
John Brashear

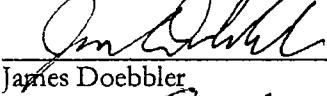
Date: 5/22/13

Signature:   
Jeff Cheek

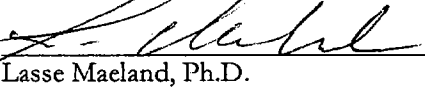
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Signature:   
Jeremy Davis, Ph.D.

Date: 5/22/13

Signature:   
James Doebbler

Date: 5/22-13

Signature:   
Lasse Maeland, Ph.D.