

## 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>
JOSEPH P. KENNEDY	07/10/2014
JOHN P. CARLSON	07/10/2014
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<b>State/Country:</b>	VIRGINIA
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14328180
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<b>SIGNATURE:</b>	/Patrick D. McPherson/
<b>DATE SIGNED:</b>	07/10/2014
<b>Total Attachments: 2</b>	
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source=KEN01014Assign#page2.tif	

**ASSIGNMENT**

Insert Name(s) of Inventors Joseph P. Kennedy  
John P. Carlson

For good and valuable consideration, sufficiency and receipt of which is hereby acknowledged by the undersigned(s), the undersigned agree(s) to assign, and hereby do(es) assign, transfer and set over to

Insert name of Assignee Echo Ridge LLC  
\_\_\_\_\_  
Insert address of Assignee 100 Carpenter Drive, Suite 135  
Sterling, Virginia 20164

and its successors, legal representatives and assigns (hereinafter designated as the Assignee) the entire right, title and interest in the invention disclosed and/or claimed in the United States application identified below, as well as all applications for patent and any Letters Patent which may be granted therefor and therefrom in the United States of America and all foreign countries, and in and to any and all divisions, continuations, continuations-in-part of said applications, or re-issues or extensions of said patents or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property:

Insert Identification of Invention, such as Title, System and Method of Using Measurements of Opportunity With Vector Tracking Filters  
Docket Number, or Foreign Application Number For Improved Navigation  
\_\_\_\_\_  
(Docket No. KEN01 014)  
Insert date of signing of application \_\_\_\_\_  
Alternative identification for filed applications Application Number: \_\_\_\_\_  
Filed: \_\_\_\_\_

The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

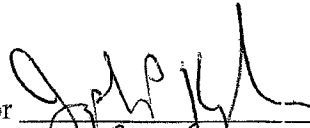
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he/she has (they have) full right to convey the entire interest herein assigned, and that he/she has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to Patrick D. McPherson, Reg. No. 46,255; Mark C. Comtois, Reg. No. 46,285; and D. Joseph English, Reg. No. 42,514; and 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 7/10/14

Signature of Inventor



Date 7/10/14

Signature of Inventor

