

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>Joseph P. Kennedy</td> <td>06/03/2013</td> </tr> <tr> <td>John Carlson</td> <td>06/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Joseph P. Kennedy	06/03/2013	John Carlson	06/03/2013				
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Joseph P. Kennedy	06/03/2013										
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Echo Ridge LLC</td> </tr> <tr> <td>Street Address:</td> <td>11127 Elmview Place</td> </tr> <tr> <td>City:</td> <td>Great Falls</td> </tr> <tr> <td>State/Country:</td> <td>VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>22066</td> </tr> </table>		Name:	Echo Ridge LLC	Street Address:	11127 Elmview Place	City:	Great Falls	State/Country:	VIRGINIA	Postal Code:	22066
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13909824</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13909824						
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CORRESPONDENCE DATA											
<p>Fax Number: 2027767801 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-776-7800 Email: sdennis@duanemorris.com Correspondent Name: DUANE MORRIS LLP - DC Address Line 1: 505 9th Street Address Line 2: Suite 1000 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004-2166</p>											
ATTORNEY DOCKET NUMBER:	KEN01 009										
NAME OF SUBMITTER:	Patrick D. McPherson										
Signature:	/Patrick D. McPherson/										
Date:	06/04/2013										
Total Attachments: 2 source=KEN01009Assign#page1.tif source=KEN01009Assign#page2.tif											

CH \$40.00 13909824

ASSIGNMENT

Insert Name(s) of Inventors Joseph P. Kennedy
John 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 11127 Elmview Place
Great Falls, Virginia 22066

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, Docket Number, or Foreign Application Number Performance Improvements for Measurement of Opportunity Geolocation/Navigation Systems
(Docket No. KEN01 009)

Insert date of signing of Application _____

(9) Alternative identification
for filed applications

(9) 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.

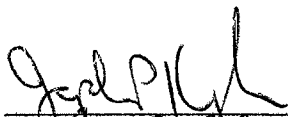
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants 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 James Y.C. Sze, Reg. No. 43,943; Arvind Jairam, Reg. No. 62,759, Patrick D. McPherson, Reg. No. 46,255; Mark C. Comtois, Reg. No. 46,285; and D. Joseph English, Reg. No. 42,514 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 June 3, 2013

Signature of Inventor



Date June 3, 2017

Signature of Inventor

