

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3884189

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES EDWARD DUFOUR	02/23/2016
BRIAN KENNETH NEWVILLE	05/16/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MRV SYSTEMS, LLC
<b>Street Address:</b>	6370 LUSK BLVD.
<b>Internal Address:</b>	SUITE F-100
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14873067
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)509-3691
<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>	858-720-8900
<b>Email:</b>	dmipdocketing@sheppardmullin.com
<b>Correspondent Name:</b>	SHEPPARD MULLIN RICHTER & HAMPTON LLP
<b>Address Line 1:</b>	12275 EL CAMINO REAL, SUITE 200
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92130
<b>ATTORNEY DOCKET NUMBER:</b>	45TZ-214609
<b>NAME OF SUBMITTER:</b>	D. BENJAMIN ESPLIN
<b>SIGNATURE:</b>	/D. Benjamin Esplin/
<b>DATE SIGNED:</b>	05/23/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 4</b>	
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**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **AIR-BASED-DEPLOYMENT-COMPATIBLE UNDERWATER VEHICLE CONFIGURED TO PERFORM VERTICAL PROFILING AND, DURING INFORMATION TRANSMISSION, PERFORM MOTION STABILIZATION AT A WATER SURFACE, AND ASSOCIATED METHODS**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 14/873,067, filed on October 1, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned inventor(s) (hereinafter "Assignor"), has/have made an invention entitled "**AIR-BASED-DEPLOYMENT-COMPATIBLE UNDERWATER VEHICLE CONFIGURED TO PERFORM VERTICAL PROFILING AND, DURING INFORMATION TRANSMISSION, PERFORM MOTION STABILIZATION AT A WATER SURFACE, AND ASSOCIATED METHODS**"

disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided in the header of this document, and

WHEREAS, **MRV Systems, LLC** (hereinafter "Assignee"), having a place of business at 6370 Lusk Blvd., Suite F-100, San Diego, CA 92121, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, application and all Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said Assignor, by these presents do sell, assign and transfer unto Assignee, its successors, legal representatives and assigns, the full and exclusive right in and to the said invention as described in the said application, and in and to any Letters Patent of the United States or any foreign country, including continuations, continuations-in-part, reissues, reexaminations, extensions, substitutes, and divisions which may be granted therefor and all rights to claim priority on the basis of said application; and I further grant to Assignee the sole right to sue and collect damages for past infringement;

ATTORNEY DOCKET NUMBER: 45TZ-214609

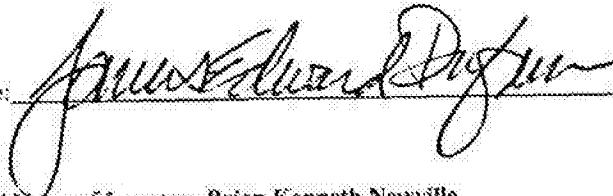
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **James Edward Dufour**

Signature: \_\_\_\_\_



Date: 23 FEB 2016

(2) Legal Name of Inventor: **Brian Kenneth Newville**

Signature: \_\_\_\_\_

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

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AND I HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said Assignee;

AND I HEREBY warrant and covenant that I have the full right to convey the entire interest herein assigned and that I have not executed and will not execute any instrument or assignment in conflict herewith;

AND I HEREBY agree to communicate to said Assignee or its representatives any facts known to me respecting said invention, to execute all divisional, continuation, reissue, reexamination, extension, substitute, and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors, legal representatives or assigns, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said Assignee.

(1) Legal Name of Inventor: **James Edward Dufour**

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

(2) Legal Name of Inventor: **Brian Kenneth Newville**

Signature:           /Brian Kenneth Newville/           Date:           16 May 2016