

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Louis Carreiro</td> <td>10/06/2008</td> </tr> <tr> <td>Lawrence Reinhart</td> <td>10/12/2008</td> </tr> </tbody> </table>		Name	Execution Date	Louis Carreiro	10/06/2008	Lawrence Reinhart	10/12/2008
Name	Execution Date						
Louis Carreiro	10/06/2008						
Lawrence Reinhart	10/12/2008						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	United States of America as Represented by the Secretary of the Navy						
<b>Street Address:</b>	Naval Undersea Warfare Center, Division Newport						
<b>Internal Address:</b>	1176 Howell St. Bldg. 11						
<b>City:</b>	Newport						
<b>State/Country:</b>	RHODE ISLAND						
<b>Postal Code:</b>	02841						
<b>PROPERTY NUMBERS Total: 2</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10914777</td> </tr> <tr> <td>Patent Number:</td> <td>7209240</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10914777	Patent Number:	7209240
Property Type	Number						
Application Number:	10914777						
Patent Number:	7209240						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(401)832-1231						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Email:</b>	annette.campbell@navy.mil						
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<b>Address Line 2:</b>	1176 Howell St. Bldg. 11						
<b>Address Line 4:</b>	Newport, RHODE ISLAND 02841						
<b>ATTORNEY DOCKET NUMBER:</b>	96212						
<b>NAME OF SUBMITTER:</b>	/james kasischke/						

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Total Attachments: 3  
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**CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS**

Whereas the Government is entitled to the entire right, title and interest in the subject invention and in view of other valuable consideration, the receipt and sufficiency of this Confirmatory Assignment of Patent Rights (the "Assignment") which is hereby acknowledged, on this 12 day of OCTOBER, 2008, the undersigned assignors (collectively, the "Assignors"), to ensure that the assignments made effective on the dates, Reel/Frame numbers, and filing dates recorded with the United States Patent and Trademark Office, as reflected in the table below, are completed, hereby sell, assign, and transfer to United States of America as represented by the Secretary of the Navy, in Washington DC ("Assignee"), the full extent of all right, title, and interest in and to any and all of the following (collectively, the "Rights"):

<u>Name</u>	<u>Effective Date</u>	<u>Reel/Frame</u>	<u>Filing Date</u>
Louis G. Carreiro	7/22/2004	015256/0565	10/18/2004
Lawrence J. Reinhart	03/19/2008	020768/0455	04/07/2008

1. U.S. Patent 7,209,240 (the "Patent");
2. Patent Application Serial No. 10/914,777 filed on August 5, 2004, which issued as the Patent (the "Application");
3. All inventions claimed or described in any or all of the Patent, or the Application (collectively, the "Inventions");
4. All rights with respect to the Inventions, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Patent or the Application ("Potential Patents");
5. All reissues, reexaminations, extensions, or registrations of the Patent or Potential Patents;
6. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Application, the Patent, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
7. The right to claim priority rights deriving from the Application;
8. All causes of action and remedies related to any or all of the Application, the Patent, the Inventions, Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
9. Any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Patent, the Inventions, Potential Patents, or Foreign Rights.

Assignors will not sign any writing or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignors request the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental

grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignors, their successors, legal representatives and assigns.

By: Louis G. Carreiro  
Louis G. Carreiro

#### ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Louis G. Carreiro to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. The person signing above is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on October 6, 2008 to execute the above Assignment of Patent Rights.
3. Louis G. Carreiro subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 6 October 2008 (date)

James M. Kasische  
Print Name: James M. Kasische

By: Lawrence J. Reinhart  
Lawrence J. Reinhart

#### ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Lawrence J. Reinhart to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. The person signing above is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on OCTOBER 18, 2008 to execute the above Assignment of Patent Rights.
3. Lawrence J. Reinhart subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

October 12, 2008

EXECUTED on 10/12/08 (date)

Ann- Leigh Reinhart  
Print Name: Ann- Leigh Reinhart