

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2684622

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>ANGELA LYNN STYCZYNSKI SNYDER</td> <td>10/30/2013</td> </tr> <tr> <td>CURTIS A. CORUM</td> <td>10/30/2013</td> </tr> <tr> <td>DJAUDAT S. IDIYATULLIN</td> <td>10/30/2013</td> </tr> <tr> <td>STEEN MOELLER</td> <td>10/30/2013</td> </tr> <tr> <td>MICHAEL G. GARWOOD</td> <td>10/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	ANGELA LYNN STYCZYNSKI SNYDER	10/30/2013	CURTIS A. CORUM	10/30/2013	DJAUDAT S. IDIYATULLIN	10/30/2013	STEEN MOELLER	10/30/2013	MICHAEL G. GARWOOD	10/30/2013
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Regents of the University of Minnesota</td> </tr> <tr> <td>Street Address:</td> <td>200 Oak Street SE</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 600</td> </tr> <tr> <td>City:</td> <td>Minneapolis</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55455</td> </tr> </table>		Name:	Regents of the University of Minnesota	Street Address:	200 Oak Street SE	Internal Address:	Suite 600	City:	Minneapolis	State/Country:	MINNESOTA	Postal Code:	55455
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PROPERTY NUMBERS Total: 2													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13743902</td> </tr> <tr> <td>Application Number:</td> <td>61587333</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13743902	Application Number:	61587333						
Property Type	Number												
Application Number:	13743902												
Application Number:	61587333												
CORRESPONDENCE DATA													
Fax Number:	(612)626-9624												
Phone:	6126254597												
Email:	rosen848@umn.edu												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	MOLLY A. ROSEN												
Address Line 1:	200 OAK STREET SE												
Address Line 2:	SUITE 360 MCNAMARA CENTER												
Address Line 4:	MINNEAPOLIS, MINNESOTA 55455-2006												

ATTORNEY DOCKET NUMBER:	20120049
NAME OF SUBMITTER:	MOLLY A. ROSEN
Signature:	/Molly A. Rosen/
Date:	01/16/2014
<p>Total Attachments: 7</p> <p>source=20120049 Assignment - October 30, 2013#page1.tif</p> <p>source=20120049 Assignment - October 30, 2013#page2.tif</p> <p>source=20120049 Assignment - October 30, 2013#page3.tif</p> <p>source=20120049 Assignment - October 30, 2013#page4.tif</p> <p>source=20120049 Assignment - October 30, 2013#page5.tif</p> <p>source=20120049 Assignment - October 30, 2013#page6.tif</p> <p>source=20120049 Assignment - October 30, 2013#page7.tif</p>	

### ASSIGNMENT

WHEREAS, Angela Lynn Styczynski Snyder, Curtis A. Corum, Djaudat S. Idiyatullin, Steen Moeller and Michael G. Garwood (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on January 17, 2013, which application was assigned US patent application serial number 13/743,902, and which is titled STEERING RESONANCE ALONG A TRAJECTORY; which are described in a patent application filed on January 17, 2012, which application was assigned US application serial number 61/587,333, and which is titled STEERING RESONANCE ALONG A TRAJECTORY.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Regents of the University of Minnesota (the "Assignee"), an entity of the State of Minnesota, having a place of business at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 45835 may (directly or through his/her designee) delete, insert, or alter any

**Assignment**

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 2 of 7

Docket No: 600,861US1  
Client Ref. No. 20120049

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

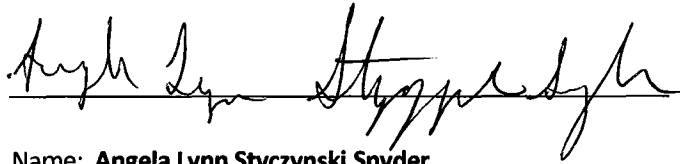
Assignment

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 3 of 7

Docket No: 600.861US1  
Client Ref. No. 20120049

Assignor:

(Signature):



Name: Angela Lynn Styczynski Snyder

City/State: Minneapolis, MN

Date:

10/30/13

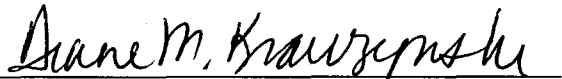
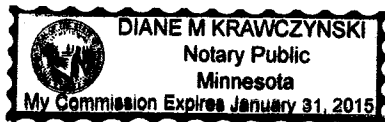
STATE OF MINNESOTA )

)ss

COUNTY OF HENNEPIN )

On this 30<sup>th</sup> day of October, 2013, before me personally appeared Angela Lynn Styczynski Snyder, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public

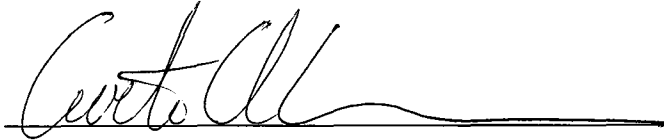
Assignment

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 4 of 7

Docket No: 600.861US1  
Client Ref. No. 20120049

Assignor:

(Signature):



Name: Curtis A. Corum

City/State: Shoreview, MN

Date:

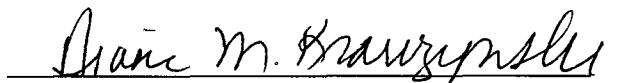
10/30/2013

STATE OF MINNESOTA,

)ss

COUNTY OF HENNEPIN,

On this 30<sup>th</sup> day of October, 2013 before me personally appeared Curtis A. Corum, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

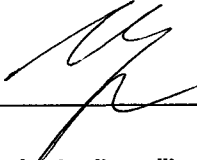
Assignment

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 5 of 7

Docket No: 600.861US1  
Client Ref. No. 20120049

Assignor:

(Signature):

  
\_\_\_\_\_

Name: Djaudat S. Idiyatullin

City/State: New Brighton, MN

Date:

10/30/13

STATE OF MINNESOTA

)ss

COUNTY OF HENNEPIN

On this 30<sup>th</sup> day of October, 2013 before me personally appeared Djaudat S. Idiyatullin, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Diane M. Krawczynski

Notary Public

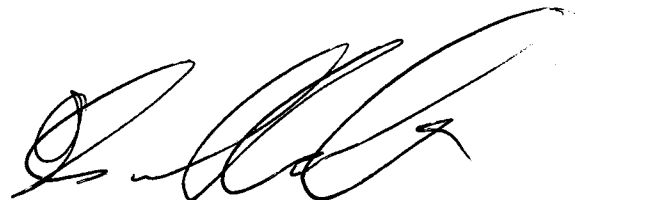
**Assignment**

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 6 of 7

Docket No: 600.861US1  
Client Ref. No. 20120049

**Assignor:**

(Signature):



Name: Steen Moeller

City/State: Golden Valley, MN

Date:

10/30/13

STATE OF MINNESOTA )

)ss

COUNTY OF HENNEPIN )

On this 30<sup>th</sup> day of October, 2013 before me personally appeared Steen Moeller, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Diane M. Krawczynski

Notary Public



**Assignment**

Assignors: Angela Lynn Styczynski Snyder et al.  
Title: STEERING RESONANCE ALONG A TRAJECTORY  
Page 7 of 7

Docket No: 600.861US1  
Client Ref. No. 20120049

**Assignor:**

(Signature):

Michael G. Garwood

Name: Michael G. Garwood

City/State: Medina, MN

Date:

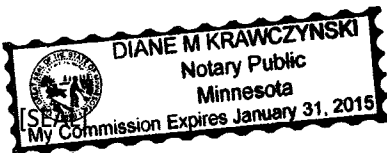
10/30/13

STATE OF MINNESOTA

)ss

COUNTY OF HENNEPIN

On this 30<sup>th</sup> day of October, 2013 before me personally appeared Michael G. Garwood, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Diane M. Krawczynski

Notary Public