

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Botond Szatmary</td> <td>06/13/2013</td> </tr> <tr> <td>Micah Richert</td> <td>06/12/2013</td> </tr> <tr> <td>Eugene Izhikevich</td> <td>06/13/2013</td> </tr> <tr> <td>Jayram Moorkanikara Nageswaran</td> <td>06/13/2013</td> </tr> <tr> <td>Filip Piekniwski</td> <td>06/13/2013</td> </tr> <tr> <td>Sach Sokol</td> <td>06/13/2013</td> </tr> <tr> <td>Csaba Petre</td> <td>06/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Botond Szatmary	06/13/2013	Micah Richert	06/12/2013	Eugene Izhikevich	06/13/2013	Jayram Moorkanikara Nageswaran	06/13/2013	Filip Piekniwski	06/13/2013	Sach Sokol	06/13/2013	Csaba Petre	06/13/2013
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<table border="1"> <tr> <td>Name:</td> <td>Brain Corporation</td> </tr> <tr> <td>Street Address:</td> <td>5665 Morehouse Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	Brain Corporation	Street Address:	5665 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121						
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CORRESPONDENCE DATA																	
Fax Number:	8586751674																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	8586751670																
Email:	docket@gazpat.com																
Correspondent Name:	GAZDZINSKI & ASSOCIATES, PC																
Address Line 1:	16644 WEST BERNARDO DRIVE																
Address Line 2:	SUITE 201																
Address Line 4:	SAN DIEGO, CALIFORNIA 92127																
ATTORNEY DOCKET NUMBER:	BRAIN.026DV1																

CH \$40.00 13660982

NAME OF SUBMITTER:	Mark Wang
Signature:	/Mark Wang/
Date:	07/18/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 4</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p> <p>source=Assignment#page4.tif</p>	

**DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS**

Title of Invention: **APPARATUS AND METHODS FOR ACTIVITY-BASED PLASTICITY IN A SPIKING NEURON NETWORK**

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

U.S. Application Serial No.: 13/660,982; or

PCT International Application No.: \_\_\_\_\_

Filed on: October 25, 2012

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 above-identified application, including the claims. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.

WHEREAS, **BRAIN CORPORATION**, with its principal place of business at 5665 Morehouse Drive, San Diego, CA 92121, United States, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, re-examinations, continuations, conversions and extensions thereof, and provisional applications to which priority is claimed therefrom, for the full term or terms for which the same may be granted.

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion, re-exam, provisional, or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion, re-exam, provisional, or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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**GAZDZINSKI & ASSOCIATES, PC**

16644 West Bernardo Drive, Suite 201, San Diego, CA 92127

Telephone: (858) 675-1670 - Facsimile: (858) 675-1674 - Email: [docket@gazpat.com](mailto:docket@gazpat.com)

**PATENT**

**REEL: 030830 FRAME: 0605**

**DECLARATION AND ASSIGNMENT FOR PATENT APPLICATIONS**

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of GAZDZINSKI & ASSOCIATES, PC, Customer No. 27299, the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges 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.

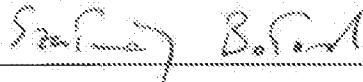
In witness whereof, executed by the undersigned on the date opposite the undersigned name.

**LEGAL NAME OF INVENTOR**Inventor's Name: **BOTOND SZATMARY**

Date:

6/13/2013

Signature:



An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

☒ Additional inventors are being named on the 1 supplemental sheet(s) attached hereto.

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Telephone: (858) 675-1670 - Facsimile: (858) 675-1674 - Email: [doCKET@gazpat.com](mailto:doCKET@gazpat.com)**PATENT****REEL: 030830 FRAME: 0606**

**SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT**

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: MICAH RICHERT

Date:

6/12/2013

Signature:



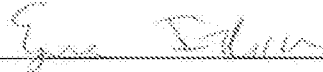
LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: EUGENE IZHIKEVICH

Date:

June 13, 2013

Signature:



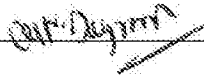
LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: JAYRAM MOORKANIKARA NAGESWARAN

Date:

6/13/2013

Signature:



LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: FILIP PIEKNIEWSKI

Date:

6/13/2013

Signature:



LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: SACH SOKOL

Date:

Signature:

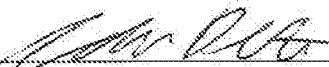
LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: CSABA PETRE

Date:

6/13/2013

Signature:



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PATENT

REEL: 030830 FRAME: 0607

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LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **MICAH RICHERT**

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

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

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **EUGENE IZHIKEVICH**

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

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

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **JAYRAM MOORKANIKARA NAGESWARAN**

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

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

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **FILIP PIEKNIEWSKI**

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

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

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **SACH SOKOL**

Date: 13 June 2013

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

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name: **CSABA PETRE**

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

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

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