

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5226309

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OREN PARNAS	09/16/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BROAD INSTITUTE, INC.
<b>Street Address:</b>	415 MAIN STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15965192
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(240)359-4879
<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>	9122574864
<b>Email:</b>	BROD.Assignments@jmi-iplaw.com
<b>Correspondent Name:</b>	F. BRENT NIX, ESQ.
<b>Address Line 1:</b>	JOHNSON, MARCOU & ISAACS, LLC
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<b>ATTORNEY DOCKET NUMBER:</b>	BROD-3540US
<b>NAME OF SUBMITTER:</b>	SUSAN FRATTURA
<b>SIGNATURE:</b>	/Susan Frattura/
<b>DATE SIGNED:</b>	11/07/2018
<b>Total Attachments: 4</b>	
source=BI_2015_105_signed_Parnas_Assignment_BROD_3540US#page1.tif	
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## ASSIGNMENT

WHEREAS, we, LE CONG, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, OREN PARNAS, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, ORIT ROZENBLATT-ROSEN, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, JELLERT GAUBLomme, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, and ERIC S. LANDER, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, have invented with others certain inventions and improvements disclosed in a patent application entitled "ASSAYS FOR MASSIVELY COMBINATORIAL PERTURBATION PROFILING AND CELLULAR CIRCUIT RECONSTRUCTION," filed with the United States Patent and Trademark Office on April 27, 218 and assigned U.S. Patent Application No. 15/965,192; and

WHEREAS, THE BROAD INSTITUTE, INC., having a principal place of business at 415 Main Street, Cambridge, Massachusetts 02142, is desirous of acquiring an interest in the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, LE CONG, OREN PARNAS, ORIT ROZENBLATT-ROSEN, JELLERT GAUBLomme, and ERIC S. LANDER, *by these presents, do sell, assign, and transfer unto said Assignee, THE BROAD INSTITUTE, INC., our full, exclusive, and entire right, title, and interest in and to said application, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said applications, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said applications, or from a division, continuation, reexamination, or reissue thereof, to THE BROAD INSTITUTE, INC., for its interest and for the use and benefit of THE BROAD INSTITUTE, INC., as assignees, and its assigns and legal representatives;*

For the same consideration, we, by these presents, do sell, assign, and transfer to THE BROAD INSTITUTE, INC., our full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of THE BROAD INSTITUTE, INC., or its designees insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid THE BROAD INSTITUTE, INC., their successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignment  
U.S. Non-Provisional Application No. 15/065,192  
Cong, Parnas, Rozenblatt-Rosen, Gaublotte, Lander

In testimony whereof, we hereunto set our hands and seals on the dates indicated below.

LE CONG \_\_\_\_\_ Date \_\_\_\_\_  
COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared LE CONG, who, being duly sworn, signed and acknowledged the foregoing Assignment.

NOTARY PUBLIC  
My Commission Expires: \_\_\_\_\_

OREN PARNAS \_\_\_\_\_ 9/16/2018  
Date

WITNESS:  
[Signature] \_\_\_\_\_ 9/16/18  
Witness Signature Date

SHOSHI KEYNAN  
Witness Printed Name

WITNESS:  
[Signature] \_\_\_\_\_ 9/16/2018  
Witness Signature Date

GUSTAVO FUCHS.  
Witness Printed Name

Assignment  
U.S. Non-Provisional Application No. 15/965,192  
Cong. Parnas, Rozenblatt-Rosen, Gaublumme, Lander

\_\_\_\_\_  
**ORIT ROZENBLATT-ROSEN** Date

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared **ORIT ROZENBLATT-ROSEN**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

\_\_\_\_\_  
**NOTARY PUBLIC**  
My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
**JELLERT GAUBLOMME** Date

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared **JELLERT GAUBLOMME**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

\_\_\_\_\_  
**NOTARY PUBLIC**  
My Commission Expires: \_\_\_\_\_

Assignment  
U.S. Non-Provisional Application No. 15/965,192  
Cong. Parnas, Rozenblatt-Rosen, Gaublumme, Lander

\_\_\_\_\_  
**ERIC S. LANDER**

\_\_\_\_\_  
Date

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared **ERIC S. LANDER**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

\_\_\_\_\_  
**NOTARY PUBLIC**

My Commission Expires: \_\_\_\_\_

[END OF SIGNATURE PAGE]