505782819 11/20/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ORIT ROZENBLATT-ROSEN	08/15/2018

RECEIVING PARTY DATA

Name:	THE BROAD INSTITUTE, INC.
Street Address:	415 MAIN STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16499908

CORRESPONDENCE DATA

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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.

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Address Line 2: P.O. BOX 691

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ATTORNEY DOCKET NUMBER:	BROD-2024US
NAME OF SUBMITTER:	SUSAN FRATTURA
SIGNATURE:	/Susan Frattura/
DATE SIGNED:	11/20/2019

Total Attachments: 2

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PATENT 505782819 REEL: 051061 FRAME: 0573

WHEREAS, we, ORIT ROZENBLATT-ROSEN, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142 and LIVNAT JERBY, having a correspondence address of c/o 415 Main Street, Cambridge, Massachusetts 02142, have invented with others certain inventions and improvements disclosed in an International PCT Patent Application entitled "METHODS AND COMPOSITIONS FOR DETECTING AND MODULATING AN IMMUNOTHERAPY RESISTANCE GENE SIGNATURE IN CANCER," filed in the United States Patent and Trademark Office as Receiving Office on March 30, 2018 and assigned PCT International Application No. PCT/US2018/025507; 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, ORIT ROZENBLATT-ROSEN and LIVNAT JERBY, 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 applications, 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 thoma division, continuation, reexamination, or reissue thereof, to THE BROAD INSTITUTE, INC., as assignee, 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 applications, 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.**, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

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Assignment PCT Application No. PCT/US2018/025507 Rozenblatt-Rosen and Jerby

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

	Or.7 1	08-15-201
	ORIT ROZENBLATT-RO	
COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX		
Before me, a Notary Public in and for the Avmst , 2018 , personal who, being duly swom, signed and acknowledged	e aforementioned state, on this ly appeared ORIT ROZENBI the foregoing Assignment.	16 ⁴⁴ day of ATT-ROSEN.
NOTAR My Com	nin S. Mulherin Y PUBLIC mission Expires: 7/12/24	
COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX	LIVNAT JERBY	Achies Date
Before me, a Notary Public in and for the, 20, personall sworn, signed and acknowledged the foregoing As	e aforementioned state, on this y appeared LIVNAT JERBY, signment.	day of who, being duly
NOTAR	Y PUBLIC	
My Com	mission Expires:	

[END OF SIGNATURE PAGE]

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PATENT REEL: 051061 FRAME: 0575

RECORDED: 11/20/2019