PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GORDON J. FREEMAN	08/06/2019

RECEIVING PARTY DATA

Name:	DANA-FARBER CANCER INSTITUTE, INC.
Street Address:	450 BROOKLINE AVENUE
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02215-5450

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7595048

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	DFS-00015
NAME OF SUBMITTER:	LINDALEE PEGRAM
SIGNATURE:	/Lindalee Pegram/
DATE SIGNED:	08/13/2019

Total Attachments: 3
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ASSIGNMENT

WHEREAS, I, **Gordon J. Freeman,** have invented one or more inventions described in an application for Letters Patent of the United States, entitled **A Method for Treatment of Cancer by Inhibiting the Immunosuppressive Signal Induced by PD-1** the specification of which:

[] is being executed herewith; and is about to be filed in the United States Patent Office;

[] was filed on _____ as U.S. Application No. _____;

[] was filed on _____ as PCT Application No. _____;

[x] was patented on September 29, 2009 as U.S. Patent No. 7,595,048 ;

WHEREAS, **Dana-Farber Cancer Institute, Inc.**, (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Massachusetts, having principal offices at 450 Brookline Avenue, Boston, Massachusetts 02215-5450, desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention(s) as described in said application, together with my entire right, title and interest in and to said application and the Letters Patent that has issued thereon, and any substitution, reissue, continuation, divisional, revival and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said application; said invention(s), application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent is granted as fully and entirely as the same would have been held by me had this assignment not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, all choses in action pertaining to the applications or Letters Patent including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the applications or Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional, continuation or revival applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, the undersigned has hereunto set his hand and seal on the date after his signature.

Gordon J. Freeman, August 6, 2019

Gordon J. Freeman (Date)

Commonwealth of Massachusetts)
)
County of Suffolk)

On this the 6th day of August, 2019 before me personally appeared Gordon J. Freeman, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public

My commission expires 03-11-22

LISA REHFUSS
MY COMMISSION EXPIRES
MAR 11 2022
COMMONWEALTH OF MASSACHUSETTS
NOTARY PUBLIC

B5025109.1

ACKNOWLEDGEMENT OF ASSIGNEE:

I hereby acknowledge the foregoing executed Assignment on behalf of **Dana-Farber Cancer Institute, Inc.**,

By: _____ Date: 12 AUG 2019

Name: Hilary J. Libka, J.D.

Title: *Intellectual Property Counsel*

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