505701160 10/01/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAEWOO LEE	05/07/2018
BRUCE A. SULLENGER	05/07/2018
YOUNGJU LEE	04/15/2018

RECEIVING PARTY DATA

Name:	DUKE UNIVERSITY	
Street Address:	2812 ERWIN ROAD, SUITE 306	
Internal Address:	BOX 90083	
City:	DURHAM	
State/Country:	NORTH CAROLINA	
Postal Code:	27705	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16499991

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	155554.00522	
NAME OF SUBMITTER:	TOLGA S. GULMEN	
SIGNATURE:	/Tolga S. Gulmen/	
DATE SIGNED:	10/01/2019	

Total Attachments: 3

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PATENT REEL: 050586 FRAME: 0391

ASSIGNMENT

Pursuant to our obligation to DUKE UNIVERSITY (hereinafter referred to as "Assignee"), having its principal place of business at:

2812 Erwin Road, Suite 306 Box 90083 Durham, North Carolina 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Jaewoo Lee Duke School of Medicine Department of Surgery MSRB2 Room 1045 Durham, NC, 27710

Bruce A. Sullenger Duke School of Medicine Department of Surgery MSRB2 Room 1045 Durham, NC, 27710

Youngju Lee Duke School of Medicine Department of Surgery MSRB2 Room 1045 Durham, NC, 27710

confirm our obligation to and effective as of April 3, 2017, hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to an invention entitled "COMPOSITIONS AND METHODS FOR DIFFERENTIAL INDUCTION OF CELL DEALTH AND INTERFERON EXPRESSION" for which International Patent Application No. PCT/US2018/025884 was filed April 3, 2018 (Attorney Docket No. 5667-00429), which application claims the benefit of priority of United

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States Provisional Patent Application No. 62/480,780 filed April 3, 2017 (hereinafter the International Patent Application and the United States Provisional Patent Application");

- (2) in and to said International Patent Application and the United States Provisional Patent Application, in and to all other patent applications derived from or relating to said International Patent Application and the United States Provisional Patent Application (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues or reexaminations thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;
- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) in and to all applications filed under International Conventions on the invention or claiming priority to the International Patent Application and the United States Provisional Patent Application.

We agree that any patent applications with a claim to priority based on said International Patent Application and the United States Provisional Patent Application may be filed in the name of Assignee.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed to be necessary, by Assignee, its successors or assigns, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

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5/7/10

Bruce A. Sullenger, Inventor

2018 . 04 . /5

7 May DUIS

Youngju Lee, Inventor

Eric Wagner, on behalf of Duke University

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