506174556 07/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6221294

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Luk H. Vandenberghe	12/19/2016

RECEIVING PARTY DATA

Name:	MASSACHUSETTS EYE AND EAR INFIRMARY
Street Address:	243 CHARLES STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02114

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16717942

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: +1 (612) 638-5734

Email: apsi@fr.com

Correspondent Name: LUCAS GREDER

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	49998-0155005
NAME OF SUBMITTER:	CHRISTINE M. GRACE
SIGNATURE:	/Christine M. Grace/
DATE SIGNED:	07/28/2020

Total Attachments: 3

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PATENT 506174556 REEL: 053326 FRAME: 0868

<u>ASSIGNMENT</u>

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, LUK H. VANDENBERGHE, assign to MASSACHUSETTS EYE & EAR INFIRMARY, a corporation formed under the laws of Massachusetts and having a principal place of business at 243 Charles Street, Boston, MA 02114, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names me as inventor, is titled "METHODS OF PREDICTING ANCESTRAL VIRUS SEQUENCES AND USES THEREOF," and was filed in the United States Patent and Trademark Office on April 11, 2016, as application 15/095,856 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

I authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

I will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Assignment Page 1 of 3

Luk H. Vandehberghe

DATE: 12/13/2016

Witnessed by:

Name: Bic Shr

Name: Nelsey Stapper

Date: 12//19/2016

Date: 12/19/16 26/3-26-

Attorney Docket No.: 00633-0155001 / MEEI 2013-495

The Assignee her	eby acknowledges and accepts the foregoing a	ssignment.
Assignee: MASS.	ACHUSETTS EYE & EAR INFIRMARY	
Signature:	_(XMW	Date: <u> </u>
Name:		
Title:	Ojas P. Mehta, JD	
	Director, Intellectual Property & Commercial Ventures	

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PATENT REEL: 058500 FRAME: 0853