

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MANDHEEREJ NANDRA	07/22/2020
YU-CHONG TAI	07/28/2020
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15713456
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<b>ATTORNEY DOCKET NUMBER:</b>	1958729.00013US
<b>NAME OF SUBMITTER:</b>	DENNIS A. MAJEWSKI
<b>SIGNATURE:</b>	/Dennis A. Majewski/
<b>DATE SIGNED:</b>	07/29/2020
<b>Total Attachments: 4</b>	
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source=1958729-00013-Complete-Assignment#page4.tif	

## ASSIGNMENT

**THIS ASSIGNMENT** is made by **Mandheerej Nandra** and **Yu-Chong Tai**, (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNORS") to **California Institute of Technology** having its principal place of business at 1200 East California Boulevard, Pasadena, California 91125, (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNEE").

**WHEREAS**, ASSIGNORS have invented and own rights in, to and under a new and useful invention for which an application(s) for Letters Patent has been filed as indicated below (hereafter "Invention");

U.S. Patent Application	filed January 13, 2014	bearing Serial No. US 61/926,457
U.S. Patent Application	filed January 13, 2015	bearing Serial No. US 14/596,118
PCT Patent Application	filed January 13, 2015	bearing Serial No. PCT/US15/11263
U.S. Patent Application	filed September 22, 2017	bearing Serial No. US 15/713,456

**WHEREAS**, ASSIGNORS believe themselves to be the original and true inventors of the Invention;

**WHEREAS**, ASSIGNEE desires to acquire the Invention and improvements thereto;

**AND WHEREAS**, ASSIGNORS and ASSIGNEE desire to have a recordable instrument assigning ASSIGNEE as owners of the entire right, title and interest in, to, and under the Invention and improvements thereto owned by ASSIGNORS;

**NOW THEREFORE**, for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, convey, endorse, and hereby set over unto ASSIGNEE the full and exclusive right, title and interest in, to and under the Invention to be held and enjoyed by ASSIGNEE, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment and sale not been made including the full and exclusive right, title and interest in, to and under 1) any patent application, or any other legal instrument equivalent thereof, including, without limitation, continuation, division, continuation-in-part, substitute, reexamination, renewal, inventor's certificate, and utility model, which has been or may be submitted therefor and thereon anywhere in the World, such term defined herein as including the United States of America, its territorial possessions, and any and all foreign countries under national laws or under the provisions of the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or any other international treaty equivalent thereof; 2) any Letters Patent, or any other legal instrument equivalent thereof, which has been or may be granted therefor and thereon, in the World, for the full term or terms for which the same may be granted; 3) any reissue, extension, or any other legal instrument equivalent thereof, on any patent application or Letters Patent which has been or may be granted therefor and thereon in the World; and 4) any right to claim priority to a filing date, or any other legal equivalent thereof, which has been or may be claimed by any patent application or Letters Patent therefor and thereon in the World.

ASSIGNORS hereby covenant and agree to perform any lawful action when deemed essential by and to ASSIGNEE's full enjoyment, protection, enforcement and title in, to and under the Invention and rights hereby transferred, including, but not limited to, promptly communicating

and providing any and all known and accessible facts, data or any other pertinent information; promptly executing and delivering any and all papers, documents, forms, declarations, oaths, affidavits or any other legal instrument; promptly assisting and participating in any and all depositions, hearings, proceedings, trials, appeals, or any other legal procedure; promptly testifying under oath in any and all interference, post grant review, litigation or any other administrative or judicial proceeding; and promptly completing any and all actions necessary or desirable to carry out any and all purposes thereof, relating to any and all proceedings in connection with the submission, procurement, issuance, maintenance, enforcement or defense of the invention and rights hereby transferred.

IN TESTIMONY WHEREOF, I hereunder set my hand this 22<sup>ND</sup> day of July, 2020.

ASSIGNOR Mandheerej Nandra

Mandheerej Nandra  
Signature

✓  
by ✓ Province of Ontario

State of

Regional Municipality

County of York

ss.:

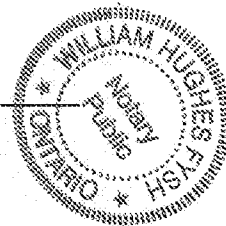
On this 22 day of July, 2020, before me, William H. Fysh, personally appeared **Mandheerej Nandra**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the Province of Ontario that the foregoing paragraph is true and correct.

Witness my hand and official seal.

William H. Fysh  
Notary Public

WILLIAM H. FYSH  
17666 Leslie Street, Unit 46  
Newmarket, ON L3Y 3E3



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ASSIGNORS hereby covenant and agree to perform any lawful action when deemed essential by and to ASSIGNEE's full enjoyment, protection, enforcement and title in, to and under the Invention and rights hereby transferred, including, but not limited to, promptly communicating and providing any and all known and accessible facts, data or any other pertinent information; promptly executing and delivering any and all papers, documents, forms, declarations, oaths,

affidavits or any other legal instrument; promptly assisting and participating in any and all depositions, hearings, proceedings, trials, appeals, or any other legal procedure; promptly testifying under oath in any and all interference, post grant review, litigation or any other administrative or judicial proceeding; and promptly completing any and all actions necessary or desirable to carry out any and all purposes thereof, relating to any and all proceedings in connection with the submission, procurement, issuance, maintenance, enforcement or defense of the invention and rights hereby transferred.

Signature

Date Signed



July 28, 2020

Name: Yu-Chong Tai

Witness Name: Christine Garske

Date: July 28, 2020

Signature: Christine Garske