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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DEEPAN KISHORE KUMAR	07/08/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16144079

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Total Attachments: 2

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PATENT 505590495 REEL: 049865 FRAME: 0448

Attorney Docket No.: P2271-US/PCT

<u>ASSIGNMENT</u>

I, Deepan KISHORE KUMAR, residing in United States of America with a mailing address at c/o California Institute of Technology, 1200 E California Blvd., M/C 6-32, Pasadena, CA 91125,

hereby sell and assign for good and valuable consideration, the receipt of which I hereby acknowledge,

to CALIFORNIA INSTITUTE OF TECHNOLOGY, an entity having its principal place of business in United States of America at 1200 E California Blvd., M/C 6-32, Pasadena, CA 91125

hereinafter referred to as the assignee, its successors, assigns and nominees, my entire right, title and interest, including all priority rights under U.S. law and/or International conventions and treaties, in and to the "METHOD OF PRODUCING THIN ENZYME-BASED SENSING LAYERS ON PLANAR SENSORS"

invented by me, as described and/or claimed in U.S. Application No. 16/144,079, filled on September 27, 2018, in the corresponding International Patent Application No. PCT/US2018/053061 filed on September 27, 2018, and/or in any other related patent applications filed and/or to be filed not only for, to and in the United States of America its territories and possessions, but also for, to and in all other countries, including any and all divisions, reissues, continuations, continuations-in-part and extensions of said U.S. Patent Application, of said International Patent Application and/or any and all international patent applications related to said U.S. Patent Application and PCT Patent Application. I authorize and request any officials whose duty it is to issue patents, to issue any patent on said "METHOD OF PRODUCING THIN ENZYME-BASED SENSING LAYERS ON PLANAR SENSORS" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all

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rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed a	i Pasadena,	United States
On 07-08-2011	City	Country
Date	Inventor Name:	Deepan KISHORE KUMAF

Inventor Signature <u>Quanture</u> Lunce

Witnessed by:

Witness Name: Wx ing Hao Signature 1

Witness Name: <u>| /// ეგის სა</u>Signature

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