

## 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>              |
| HARISH M MANOHARA   | 04/07/2021                         |
| ANNA LIAO   | 12/22/2008                         |
| YOUNGSAM BAE  | 04/16/2021                         |
| <b>RECEIVING PARTY DATA</b>   |                                    |
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| <b>City:</b>  | PASADENA                           |
| <b>State/Country:</b>   | CALIFORNIA                         |
| <b>Postal Code:</b>   | 91125                              |
| <b>PROPERTY NUMBERS Total: 3</b>  |                                    |
| <b>Property Type</b>  | <b>Number</b>                      |
| <b>Patent Number:</b>   | 8323182                            |
| <b>Patent Number:</b>   | 9549667                            |
| <b>Patent Number:</b>   | 10278568                           |
| <b>CORRESPONDENCE DATA</b>  |                                    |
| <b>Fax Number:</b>  |                                    |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | CIT5053                            |
| <b>NAME OF SUBMITTER:</b>   | DICRAN HALAJIAN                    |
| <b>SIGNATURE:</b>   | /Dicran Halajian/                  |
| <b>DATE SIGNED:</b>   | 12/10/2021                         |
| <b>Total Attachments: 3</b>   |                                    |
| source=CIT5053_Assignment_HM-04-07-21#page1.tif   |                                    |

source=CIT5053-Anna Signed Assignment-12-22-08#page1.tif

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I, Harish M. MANOHARA, residing in Glendora, CA, USA, 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, and also to 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 "ENDOSCOPE AND SYSTEM AND METHOD OF OPERATION THEREOF" and/or improvements thereof or resulting therefrom, as described and/or claimed in U.S. Provisional Application No. 61/008,033, filed on December 18, 2007; in U.S. Provisional Application No. 61/127,496, filed on May 14, 2008; in the corresponding U.S. Patent Application No. 12/338,984, filed on December 18, 2008, and 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 and any and all International patent applications related to said U.S. Provisional Application Nos. 61/008,033, and 61/127,496 and/or U.S. Patent Application No. 12/338,984, and authorize and request any officials whose duty it is to issue patents, to issue any patent on said "ENDOSCOPE AND SYSTEM AND METHOD OF OPERATION THEREOF" and/or improvements thereof or resulting therefrom to CALIFORNIA INSTITUTE OF TECHNOLOGY 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 rightful oaths and/or declarations and generally do everything possible to aid CALIFORNIA INSTITUTE OF TECHNOLOGY, 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.

On April 07, 2021  
Date

Name: Harish M. MANOHARA Inventor Signature 

## PATENT

REEL: 058360 FRAME: 0681

ASSIGNMENT

For valuable consideration, I, Anna LIAO, hereby assign to California Institute of Technology, a California corporation having a place of business at: 1200 East California Blvd., Pasadena, CA 91125 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled ENDOSCOPE AND SYSTEM AND METHOD OF OPERATION THEREOF, filed December 18, 2008, and assigned U.S. Serial Number 12/338,984, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATED: 12/22/2008  
(Sign Name)Anna Liao  
(Type in Name)

ASSIGNMENT

I, Youngsam BAE, residing in Placentia, CA, USA, 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, and also to 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 "ENDOSCOPE AND SYSTEM AND METHOD OF OPERATION THEREOF" and/or improvements thereof or resulting therefrom, as described and/or claimed in U.S. Provisional Application No. 61/008,033, filed on December 18, 2007; in U.S. Provisional Application No. 61/127,496, filed on May 14, 2008; in the corresponding U.S. Patent Application No. 12/338,984, filed on December 18, 2008, and 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 and any and all International patent applications related to said U.S. Provisional Application Nos. 61/008,033, and 61/127,496 and/or U.S. Patent Application No. 12/338,984, and authorize and request any officials whose duty it is to issue patents, to issue any patent on said "ENDOSCOPE AND SYSTEM AND METHOD OF OPERATION THEREOF" and/or improvements thereof or resulting therefrom to CALIFORNIA INSTITUTE OF TECHNOLOGY 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 rightful oaths and/or declarations and generally do everything possible to aid CALIFORNIA INSTITUTE OF TECHNOLOGY, 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 at Placentia USA  
City Country

On 4/16/21  
Date

Name: Youngsam BAE

Inventor Signature 