504108991 11/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4155660

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SASWATI CHATTERJEE	11/21/2016
LAURA JANE SMITH	11/22/2016
KAMEHAMEHA WONG	11/21/2016

RECEIVING PARTY DATA

Name:	CITY OF HOPE	
Street Address:	Street Address: 1500 EAST DUARTE ROAD	
City:	DUARTE	
State/Country: CALIFORNIA		
Postal Code: 91010-3000		

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15273892
PCT Number:	US2015051785

CORRESPONDENCE DATA

Fax Number: (857)300-4001

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: (857) 300-4000

Email: TPass@LATHROPGAGE.COM

Correspondent Name: LATHROP & GAGE LLP Address Line 1: 28 STATE STREET

Address Line 2: ANDREW T. WILKINS, PH.D., ESQ. Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	584277: HMT-005
NAME OF SUBMITTER:	ANDREW T. WILKINS
SIGNATURE:	/ANDREW T. WILKINS/
DATE SIGNED:	11/23/2016

Total Attachments: 7

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> **PATENT REEL: 040408 FRAME: 0173** 504108991

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PATENT REEL: 040408 FRAME: 0174

Attorney Docket: 584277: HMT-005

ASSIGNMENT

WHEREAS, We, Saswati Chatterjee of Altadena, CA and a citizen of the United States of America, Laura Jane Smith of Westford, MA and a citizen of the United States of America, and Kamehameha Wong of Altadena, CA and a citizen of the United States of America, have invented a certain new and useful invention, described in the patent applications identified in Exhibit A hereto; and

WHEREAS, CITY OF HOPE, having its principal place of business at 1500 East Duarte Road, Duarte, CA 91010-3000, is desirous of acquiring all rights, title and interest in and to said inventions, said applications, and in and to any and all Letters Patents which may be granted for or upon said invention and applications in the United States of America and anywhere in the world.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Saswati Chatterjee, Laura Jane Smith and Kamehameha Wong have sold, assigned and transferred, and by these presents to sell, assign and transfer unto the said CITY OF HOPE, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) the inventions as set forth and described, for example, in the patent application specifications identified in Exhibit A;
- (b) all patent applications identified in Exhibit A;
- (c) any and all patent applications, including Patent Cooperation Treaty (PCT) applications, directed to the inventions as set forth and described, for example, in the patent application specifications identified in Exhibit A;
- (d) any and all refilings, divisions, continuations, and continuations-inpart of those patent applications;
- (e) any and all patents of the United States of America which may issue from any of the above items;
- (f) any and all reissue and reexamination certificates of those patents;
- (g) any and all applications for the inventions filed in any and all countries foreign to the United States of America;

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Attorney Docket: 584277: HMT-005

 (h) any and all refilings, divisions, and continuations of those foreignfiled applications;

- (i) any and all patents, certificates, and registrations of countries foreign to the United States of America which may issue from those foreign-filed applications, refilings, divisions, and continuations;
- (j) any and all extensions of, and additions to, the foreign-filed applications and patents, certificates, and registrations related thereto;
- (k) the right to claim priority to any of the foregoing; and
- (l) any and all claims, causes of action, and damages for past, present, and future infringement or other unauthorized use of the above items, along with the right to sue and to collect damages and other relief from any and all parties.

We, Saswati Chatterjee, Laura Jane Smith and Kamehameha Wong, further agree that we will promptly execute and deliver to CITY OF HOPE or its legal representatives any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, and enforce all of the items listed above.

All of the above shall be held and enjoyed by CITY OF HOPE, and its successors, legal representatives, and assigns for their own use and benefit, for the full term for which the protections listed above may be granted, and Saswati Chatterjee, Laura Jane Smith and Kamehameha Wong authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Patents granted for said inventions, whether on an application for said invention set forth in Exhibit A, or on any subsequently filed provisional, non-provisional, divisional, continuation, continuation-in-part, reissue, or other related application, to CITY OF HOPE, its successors and assigns, as the assignee of their entire interest in said inventions and applications.

Allomey Docket: 584277; HMT-005

Assignor:	
Saswati Chatterjee	
Shalla	11/21/6
Signature	Date:
SPSWATI CHATTERSEE, PROG Name and Tale:	9a2e35
Signed in my presence and acknowledged to above referred to:	be an assignment of the application herein
WITNESS	
Durte /ch	
Signed At (City/State)	
HWANT BUAK	
Name Hangmal Reac	
Signature	
whatouth	

Date

Attorney Docket: 584277; HMT-005

Assignor:

Date

Laura Jane Smith	
Ja Jh	11/22/16
Signature	Date:
Laura J Smith	
Name and Title:	
Signed in my presence and acknowledged to b above referred to:	e an assignment of the application herein
WITNESS	
Lexington / Massachusetts	
Signed At (City/State)	
Mark F. Boshar	
Name	
Mate Breez	
Signature	
11/22/16	

Attorney Docket: \$\$4277; HMT-005

	Kamehameha Wong	11-21-2016	
•	Signature	Dase;	
	Market Company	HO CH	
	Name and Title:		

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITN	ESS			
Dv	arte	104		
Signed	At (City	/State)		
	NGW &		M	
Name Q	engenser.	Ru	~{	
Signat	ure 11/21	1201	6	

Assignor:

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Attorney Docket: \$84277; HMT-005

Assignee:	
CITY OF HOPE	
<u> </u>	21 ^M NOV 2016
Signature A.G. MEGIAW	Date:
SR DIRELTOR OFL	
Name and Title:	
Signed in my presence and acknowledged to above referred to:	be an assignment of the application herein
WITNESS	
Duate, Ch	
Signed At (City/State)	
Xin XIII	
Name	
Signature	
11/21/2016	
Pare	

Attorney Docket: 584277: HMT-005

Exhibit A

Assigned Patents and Patent Applications

U.S. Serial No.: 15/273,892, filed September 23, 2016

Patent Cooperation Treaty No.: PCT/US2015/051785, filed September 23, 2015

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PATENT REEL: 040408 FRAME: 0181