PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. MURPHY	12/27/2015
BERNARDO YAÑEZ-SOTO	09/24/2015
VIJAY KRISHNA RAGHUNATHAN	12/20/2015

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State/Country:	CALIFORNIA
Postal Code:	94607-5200

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15763113

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	UCDA-36929.252
NAME OF SUBMITTER:	J. MITCHELL JONES
SIGNATURE:	/J. Mitchell Jones/
DATE SIGNED:	04/14/2021

Total Attachments: 3

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PATENT REEL: 055912 FRAME: 0350

ASSIGNMENT

U.C. Case	No. <u>2016-138-1</u>			
For good a	nd valuable consideration, the rec	eipt of which is her	reby acknowled	ged, ASSIGNOR(S),
1. Christo	pher J. MURPHY	2.	Bernardo YAÑ	IEZ-SOTO
3. <u>Vijay Kr</u>	ishna RAGHUNATHAN	4,_		
having its s successors	tatewide administrative offices loo , assigns and legal representativ torial possessions and in all forei	cated 1111 Franklings of the ASSIGN	n Street, Twelfti IEE all of its rig	sity of California, a California Corporation, a Floor, Oakland, CA 94607-5200, and the lht, title and interest for the United States I improvements which are disclosed in the
METHODS	OF DIAGNOSING DISEASES C	F MUCOSAL SUF	RFACES	
and which is	s found in			
(a) <u> </u>	U.S. provisional application filed	herewith and listin	ig the above na	med persons as inventors
(b) <u></u>	U.S. patent application filed here	with and listing the	e above named	persons as inventors
(c) 🔯	U.S. application serial no.	62/234,290	_, filed on	September 29, 2015
(d) <u></u>	U.S. Patent No.:	t to the state of	, issued	
ASSIGNOR ASSIGNOR ASSIGNOR Cocuments ASSIGNOR Cocuments ASSIGNOR Cocuments ASSIGNOR Cocuments ASSIGNOR Cocuments ASSIGNOR Cocuments AND the Assignment	s under all International Conventi- c(S) hereby agrees that no assi- which would conflict with this assi- c(S) further agrees that ASSIGNI relating to said invention and sai- and will testify as to the same relating thereto and will promptly ruments or affidavits required to steers Patent and said equivalent attorney of record is authorize the filing date and serial number assIGNOR(S) requests the Com- es and any reissue or extension the	ons for the Protection gnment, sale, agricing ag	eement or end equest, be proved legal equivalue, post grant ver to ASSIGN maintain, issue lay be necessal by the execut when officially lefts and Traden GNEE, The Regular to ASSIGN mits and Traden G	umbrance has been or will be made or ided promptly with all pertinent facts and lents as may be known and accessible to review, inter partes review, litigation, or EE or its legal representative any and all or enforce said application, said invention ry or desirable to carry out the purposes on of this assignment to insert into this known. narks to issue said Letters Patent of the tents of the University of California.
	s December 15	Christop	Signature of J.	Y Y
day d	of, <u>2015</u>	Bernardo	o YAÑEZ-SOT	0
day c	of, <u>2015</u>	Viiav Kri	shna RAGHUI	JATHAN
ssianee h	ereby accepts this assignment	10		Mahata 1/7/16

PATENT REEL: 055912 FRAME: 0351

<u>ASSIGNMENT</u>

U.C. Case No. <u>2016-138-1</u>	
For good and valuable consideration, the receipt of which	is hereby acknowledged, ASSIGNOR(S),
1. Christopher J. MURPHY	2. Bernardo YAÑEZ-SOTO
3. Vijay Krishna RAGHUNATHAN	4
having its statewide administrative offices located 1111 F successors, assigns and legal representatives of the AS	Regents of the University of California, a California Corporation, franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the SSIGNEE all of its right, title and interest for the United States in and to, any and all improvements which are disclosed in the
METHODS OF DIAGNOSING DISEASES OF MUCOSA	L SURFACES
and which is found in	
(a) U.S. provisional application filed herewith and	d listing the above named persons as inventors
(b) U.S. patent application filed herewith and list	ing the above named persons as inventors
(c) U.S. application serial no. 62/234,290	, filed onSeptember 29, 2015
(d) U.S. Patent No.:	, issued
to be obtained for said invention by the above application conversion to 35 USC 111(a) or substitute thereof, and and all rights under all International Conventions for the P	uding the right to claim priority and, in and to, all Letters Patent on or any continuation, division, continuation-in-part, extension, any reissue, reexamination or extension of said Letters Patent rrotection of Industrial Property; e, agreement or encumbrance has been or will be made or
entered into which would conflict with this assignment;	, agreement or encountries ride book or with 20 thad of
documents relating to said invention and said Letters Pat ASSIGNOR and will testify as to the same in any inte proceeding relating thereto and will promptly execute an papers, instruments or affidavits required to apply for, ob and said Letters Patent and said equivalents thereof wh	n its request, be provided promptly with all pertinent facts and tent and legal equivalents as may be known and accessible to efference, post grant review, inter partes review, litigation, or ad deliver to ASSIGNEE or its legal representative any and all tain, maintain, issue or enforce said application, said invention nich may be necessary or desirable to carry out the purposes ested by the execution of this assignment to insert into this cation when officially known.
AND the ASSIGNOR(S) requests the Commissioner of United States and any reissue or extension thereof to the	Patents and Trademarks to issue said Letters Patent of the ASSIGNEE, The Regents of the University of California.
executed this	Signature of Inventor(s)
24/2 day of September, 2015	ristopher J. MURPHY rnardo YAÑEZ-SOTO
day of, <u>2015</u>	ay Krishna RAGHUNATHAN
Assignee hereby accepts this assignment.	interwallate 177/16

PATENT REEL: 055912 FRAME: 0352

ASSIGNMENT

1. Christopher J. MU			-	
	IRPHY	2. <u>Be</u>	nardo YAÑEZ	Z-SOTO
3. Vijay Krishna RAG	3HUNATHAN	4,		
having its statewide ac successors, assigns a	dministrative offices locate and legal representatives o	d 1111 Franklin St of the ASSIGNEE	reet, Twelfth F all of its right,	of California, a California Corporation loor, Oakland, CA 94607-5200, and the title and interest for the United States aprovements which are disclosed in the
METHODS OF DIAG	NOSING DISEASES OF N	IUCOSAL SURFA	CES	
and which is found in				
(a) U.S. prov	Islonal application filed her	rewith and listing th	e above name	d persons as inventors
(b) U.S. pate	nt application filed herewit	h and listing the at	ove named pe	rsons as inventors
(c) 🛛 U.S. appli	ication serial no. 62	<u>2/234,290</u> , f	iled on	September 29, 2015
(d) U.S. Pate	nt No.:	, i	ssued	Made and the company of the little and one of the company of the c
to be obtained for said conversion to 35 USC and all rights under all	d invention by the above a 1111(a) or substitute there International Conventions	application or any sof, and any reissi for the Protection	continuation, due, reexaminat of Industrial Pr	
ASSIGNOR(S) hereby entered into which wou	y agrees that no assignmuld conflict with this assign	nent, sale, agreen ment;	ent or encum	brance has been or will be made o
ASSIGNOR(S) further	said invention and said Le	will, upon its reque	est, be provide	d promptly with all pertinent facts and
documents relating to ASSIGNOR and will the proceeding relating the papers, instruments or and said Letters Pater thereof. An attorney	ereto and will promptly ex affidavits required to app nt and said equivalents th	any interference, secute and deliver ly for, obtain, mair sereof which may and requested by	post grant re- to ASSIGNEE stain, issue or obe necessary the execution	ts as may be known and accessible to view, inter partes review, litigation, or or its legal representative any and all enforce said application, said invention or desirable to carry out the purposes of this assignment to insert into this own.
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RECORDED: 04/14/2021