504526795 08/30/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDMOND LAVOIE	12/18/2013
AJIT PARHI	07/15/2014
DANIEL S. PILCH	10/24/2013
MALVIKA KAUL	10/24/2013

RECEIVING PARTY DATA

Name:	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
Street Address:	OLD QUEENS BUILDING
Internal Address:	SOMERSET AND GEORGE STREETS
City:	NEW BRUNSWICK
State/Country:	NEW JERSEY
Postal Code:	08909

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14371950

CORRESPONDENCE DATA

Fax Number: (952)876-4098

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: 9528764061

Email: DOCKETING@VHPMLAW.COM

Correspondent Name: VIKSNINS HARRIS PADYS MALEN LLP

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Address Line 2: SUITE 325

Address Line 4: BLOOMINGTON, MINNESOTA 55425

NAME OF SUBMITTER: ROBERT J. HARRIS	
SIGNATURE:	/Robert J. Harris, Reg. No., 37,346/
DATE SIGNED:	08/30/2017

Total Attachments: 5

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11-152

ASSIGNMENT

WHEREAS, We, Edmond J. LaVoie, Ajit Parhi, Daniel S. Pilch and Malvika Kaul

made certain new and useful inventions and improvements for which we filed an International

Patent Application on JANUARY 11, 2013, which application was assigned International Patent

Application Number PCT/US2013/021295.

AND WHEREAS, Rutgers, The State University of New Jersey, a university organized

and existing under and by virtue of the laws of the state of New Jersey, having an office and

place of business at Old Queens Building, Somerset and George Streets, New Brunswick, New

Jersey 08903 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest

in and to said inventions, improvements and application and in and to any Letters Patent to be

obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and

valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby

sell, assign, transfer and set over unto said Assignee, including its successors and assigns, our

entire right, title and interest to all inventions disclosed in the aforesaid application(s), including

all rights to claim priority therefrom, and to any and all present or future patent applications to

such inventions filed in the United States or any other country or region, inclusive of, but not

limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions,

reexaminations, reissues, provisional patent applications, applications filed under the Patent

Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other

intellectual property related to the applications, inclusive of, but not limited to, supplementary

protection certificates, and to any and all Letters Patents and any related patent term extensions

that may be granted for said Letters Patents with respect to the applications; all of the above to be

held by Assignee as fully and entirely as the same would have been held by us had this

Assignment not been made.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and

legal representatives will make, execute and deliver any and all other instruments in writing

including any and all further application papers, affidavits, assignments and other documents,

PATENT REEL: 043450 FRAME: 0656 and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of
December, 2013.
Edmond J. Layoie
STATE OF New Jersey)ss COUNTY OF Middlesey
)ss
COUNTY OF Middlesey
ieth 🕆 [
On this day of, 2013 before me personally appeared Edmond J.
LaVoie to me known and known to me to be the person described in and who executed the foregoing
instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
set forth.
[SEAL] Bund Hours
Notary Public

State of New Jersey
Notary Public Commission
This is to Certify that
Brenda Matthews who resides in
ESSEX COUNTY is commissioned
a Notary Public to July 16, 2015

IN TESTIMON	Y WHEREOF, I have hereunto set my hand this day of
<u>Suly</u> , 2017	agét nRh.
STATE OF NEW JESSE	Ajit Parni
COUNTY OF Middle Se)ss
On this 15th day o	of July 2015 before me personally appeared Ajit Parhi to
	be the person described in and who executed the foregoing instrument, that he executed the same for the uses and purposes therein set forth.
·[SEAL]	Mora T. Daniels
	Nétary Public MONA L. DANIEL
IN TESTIMONY W	HEREOF, I have hereunto set my hand this 24 day of My Consider Extres 4
October 2013.	Dils. Pill
11	Daniel S. Pilch
STATE OF New Jerse)ss
COUNTY OF Midlese	<u>k</u>)
On this 24 day of	Detaber, 2013 before me personally appeared Daniel S. Pilch
to me known and known to me to	be the person described in and who executed the foregoing instrument, that he executed the same for the uses and purposes therein set forth.
[SEAL]	flen Juliuse.
	Notary Public
	GERI URBANSKI Commission # 2360382 Notary Public, State of New Jersey My Commission Expires May 31, 2017

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	HEREOF, I have hereunto set my hand this 24th day of
October, 2013.	Malvier Karl
	Malvika Kaul
COUNTY OF Middlesox))ss
COUNTY OF Middlesax	ے'۔
On this 24 day of 6	2013 before me personally appeared Malvika Kau
to me known and known to me to be	the person described in and who executed the foregoing instrument
and she/he duly acknowledged to me	that she/he executed the same for the uses and purposes therein se
forth.	· ·
[SEAL]	Notary Public
	GERI URBANSKI Commission # 2360382 Notary Public, State of New Jersey My Commission Expires Mgy 31 2017
	My Commission Expires

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WE AGREE TO AND ACCEP DAY OF JUNE	T THE ATTACHED ASSIGNMENT DOCUMENT ON THIS
	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
	NAME: Richard Mammone, PhD
	TITLE: A SEDCIATE VICE PRESIDENT
STATE OF NEW JERSEY	B Innovation : Partnerships
COUNTY OF MIDDLESEX) SS.)

BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, Mammone Phoknown to me to be the Person PERSONALLY APPEARED Nichard WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE/SHE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS DAY OF

PATENT REEL: 043450 FRAME: 0660

RECORDED: 08/30/2017