

## 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>
EDMOND J. LAVOIE	12/11/2014
AJIT PARHI	12/12/2014
DANIEL S. PILCH	12/11/2014
MALVIKA KAUL	12/09/2014
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	NEW BRUNSWICK
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08901
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16901941
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	00535.013PV2
<b>NAME OF SUBMITTER:</b>	LYNDA WICKTOR
<b>SIGNATURE:</b>	/LYNDA WICKTOR/
<b>DATE SIGNED:</b>	06/10/2021
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS, I/we, (each referred to as "Assignor")

EDMOND J. LAVOIE
AJIT PARHI
DANIEL S. PILCH
MALVIKA KAUL

made certain new and useful inventions and improvements for which I/we filed the following patent application(s)

U.S.	61/902,095	NOVEMBER 08, 2013
U.S.	14/536,224	NOVEMBER 07, 2014

AND WHEREAS, RUTGERS, THE STATE UNIVERSITY 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 is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I/we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, my/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

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/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, and will communicate to said Assignee, its successors and representatives all facts known to me 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, I/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 me/us and that full right to convey the same as herein expressed is possessed by me/us.

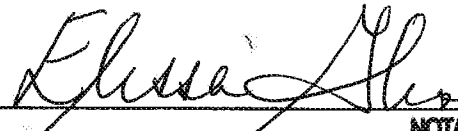
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11<sup>th</sup> day of December, 2014.

  
EDMOND J. LAVOIE

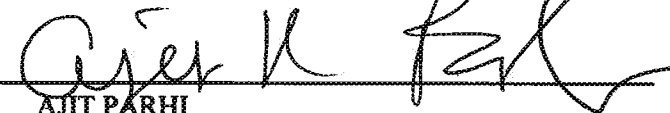
STATE OF New Jersey )  
 )SS  
COUNTY OF Middlesex )

On this 11<sup>th</sup> day of December, 2014 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/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public ELISSA GLINN  
NOTARY PUBLIC OF NEW JERSEY  
ID # 50000410  
My Commission Expires 7/15/2019


IN TESTIMONY WHEREOF, I have hereunto set my hand this 12<sup>th</sup> day of December, 2014.

  
AJIT PARHI

STATE OF New Jersey )  
 )SS  
COUNTY OF Middlesex )

On this 12<sup>th</sup> day of December, 2014 before me personally appeared AJIT PARHI to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public ELISSA GLINN  
NOTARY PUBLIC OF NEW JERSEY  
ID # 50000410  
My Commission Expires 7/15/2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11<sup>th</sup> day of December, 2014.

Daniel S. Pilch  
DANIEL S. PILCH

STATE OF New Jersey )  
 )SS  
COUNTY OF Middlesex )

On this 11<sup>th</sup> day of December, 2014 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, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Elissa Glinn  
Notary Public  
ELISSA GLINN  
NOTARY PUBLIC OF NEW JERSEY  
ID # 60000410  
My Commission Expires 7/15/2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day of December, 2014.

Malvika Kaul  
MALVIKA KAUL

STATE OF New Jersey )  
 )SS  
COUNTY OF Middlesex )

On this 9<sup>th</sup> day of December, 2014 before me personally appeared MALVIKA KAUL to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Elissa Glinn  
Notary Public  
ELISSA GLINN  
NOTARY PUBLIC OF NEW JERSEY  
ID # 60000410  
My Commission Expires 7/15/2019  
PATENT

REEL: 056501 FRAME: 0236

We agree to and accept the attached assignment document on this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

NAME: S. David Kimball

TITLE: S. DAVID KIMBALL  
AVP, Office of Research Comm.

STATE OF New Jersey )  
 )SS  
COUNTY OF Middlesex )

Before me, a notary public in and for said county and state, personally appeared S. David Kimball, known to me to be the person 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 19<sup>th</sup> day of December, 2014.

**FRANK R LIPFORD**  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
My Commission Expires: 08-24-2017

[Signature]  
Notary Public