

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5179391

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOSEPH L. ROSE	04/27/2017
AKHLESH LAKHTAKIA	04/13/2017
RECEIVING PARTY DATA	
Name:	THE PENN STATE RESEARCH FOUNDATION
Street Address:	304 OLD MAIN
City:	UNIVERSITY PARK
State/Country:	PENNSYLVANIA
Postal Code:	16802-7000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16092044
CORRESPONDENCE DATA	
Fax Number:	(716)819-4787
<i>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.</i>	
Phone:	(716)856-4000
Email:	ipdocketing@hodgsonruss.com
Correspondent Name:	HODGSON RUSS LLP
Address Line 1:	140 PEARL STREET
Address Line 2:	SUITE 100
Address Line 4:	BUFFALO, NEW YORK 14202
ATTORNEY DOCKET NUMBER:	074339.00126
NAME OF SUBMITTER:	BLAIR K ANDREWS
SIGNATURE:	/blair k andrews/
DATE SIGNED:	10/09/2018
Total Attachments: 2	
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source=074339-00126-Assignment#page2.tif	

ASSIGNMENT

FOR VALUE RECEIVED, and pursuant to my obligations under my employment agreements/appointments with THE PENNSYLVANIA STATE UNIVERSITY ("University"), We, **Joseph L. Rose and Akhlesh Lakhtakia**, hereby sell, assign and transfer unto the University's designee, **THE PENN STATE RESEARCH FOUNDATION**, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed or claimed in an application for Letters Patent of the United States of America, entitled:

**"ULTRASONIC/ACOUSTIC CONTROL OF LIGHT WAVES FOR LEFT-RIGHT OPTICAL REFLECTION
ASYMMETRY"**

signed by us on the date set forth below; and in and to any and all continuations, continuations-in-part, divisions, reissues, renewals, extensions, substitutions, additions or reexaminations of such application and any U.S. patents issuing thereon; and in and to any and all corresponding international and foreign applications for Letters Patent and any foreign patents issuing thereon; and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter; together with all claims for damages by reason of future, present and past infringement, with the right to sue for and collect the same for assignee's use and on behalf of assignee's successors, assigns and legal representative.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at University Park, Pennsylvania, this 27th day of April, 2017

Witness: Heide A Port

Signed: Joseph L. Rose 4/27/2017

Joseph L. Rose

STATE OF PENNSYLVANIA

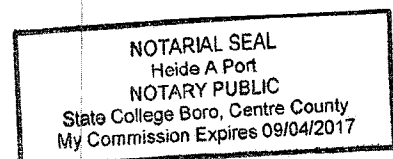
COUNTY OF Centre ss:

On this 27 day of April, 2017 before me, a Notary Public in and for the county and State aforesaid, appeared **Joseph L. Rose**, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Heide A Port
Notary Public

[Page 1 of 2 – Signatures Continued on Page 2]



PATENT

REEL: 047106 FRAME: 0721

Signed at Centre County, Pennsylvania, this 13th day of April, 2017.

Witness: *Allen McGriff*

Signed: *Akhlesh Lakhtakia*
Akhlesh Lakhtakia

STATE OF PENNSYLVANIA :

: ss:

COUNTY OF Centre :

On this 13th day of April, 2017, before me, a Notary Public in and for the county and State aforesaid, appeared Akhlesh Lakhtakia, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Allen McGriff
Notary Public

