

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3611826

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOUNG I. CHO	10/21/2015
DANIEL J. CHO	10/21/2015
ALEXANDER FRIDMAN	11/03/2015
HYOUNGSUP KIM	10/21/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DREXEL UNIVERSITY
<b>Street Address:</b>	3141 CHESTNUT STREET
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14932148
<b>Application Number:</b>	62080987
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)557-8477
<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>	
<b>Phone:</b>	215-557-6656
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<b>Correspondent Name:</b>	KEVIN J. DUNLEAVY
<b>Address Line 1:</b>	1500 JOHN F. KENNEDY BLVD.
<b>Address Line 2:</b>	SUITE 312
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19102
<b>ATTORNEY DOCKET NUMBER:</b>	DREX-1186US
<b>NAME OF SUBMITTER:</b>	KEVIN J. DUNLEAVY
<b>SIGNATURE:</b>	/Kevin J. Dunleavy/
<b>DATE SIGNED:</b>	11/11/2015
<b>Total Attachments: 5</b>	

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**ASSIGNMENT**

WHEREAS, we, Young I. Cho, residing at 221 Garden Park Blvd., Cherry Hill, New Jersey 08002, Daniel J. Cho, residing at 1031 Washington Place, Wayne, Pennsylvania 19087, Alexander Fridman, residing at 510 Captains Way, Philadelphia, Pennsylvania 19146, and Hyounsup Kim, residing at 223 Scottdale Road, Apt. B402, Lansdowne, Pennsylvania 19050 (hereinafter referred to as, "the Assignors") are the inventors of certain invention(s) or improvement(s) for which we have made or will make application(s) for Letters Patent identified as U.S. Patent Application No. 14/932,148, filed on November 4, 2015, docket number **DREX-1186US**, which claims the benefit of U.S. Provisional Application Serial No. 62/080,987, filed on November 17, 2014, docket number **DREX-1186USP**. If not already inserted, we hereby authorize and request the law firm of Mendelsohn, Drucker, & Dunleavy, P.C., of 1500 John F. Kennedy Blvd., Suite 312, Philadelphia, PA 19102, to insert herein the filing dates and application numbers of said applications when known.

WHEREAS, **Drexel University**, hereinafter referred to as the ASSIGNEE, having its principal place of business at 3141 Chestnut Street, Philadelphia, Pennsylvania 19104, United States of America, is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said invention(s) or improvement(s) and said application(s) including the right to claim priority to the application(s) in any application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

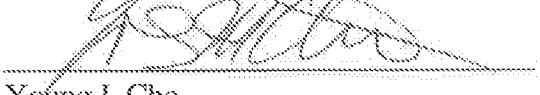
AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application(s) and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and we agree to communicate to said assignee or to its nominee all known facts respecting said invention(s) or improvement(s), said application(s) and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said

invention(s) or improvement(s) in any and all countries.

AND we hereby authorize and request the Director -- U.S. Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on application(s) as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application(s) aforesaid, in accordance with the terms of this assignment.

This assignment shall be governed by the laws of the State of Pennsylvania, United States of America.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

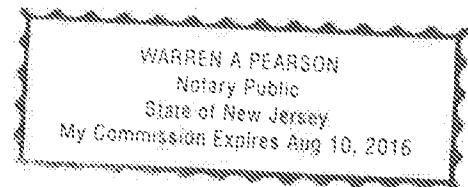
Dated: 10-21-2015  (L.S.)  
Young I. Cho

Notarial Certificate

State of New Jersey )  
County Camden )

Before me personally appeared Young I. Cho who acknowledged the foregoing instrument to be a free act and deed and also represented that s/he is authorized to execute the same the 21<sup>st</sup> day of October, in the year 2015.

  
Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: 10/21/2015

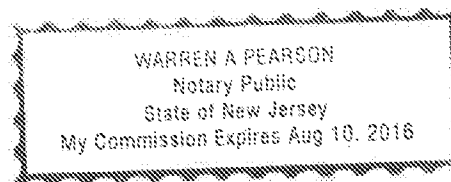
[Signature] (L.S.)  
Daniel J. Cho

Notarial Certificate

State of New Jersey )  
County CAMDEN )

Before me personally appeared Daniel J. Cho who acknowledged the foregoing instrument to be a free act and deed and also represented that s/he is authorized to execute the same the 21<sup>st</sup> day of October, in the year 2015.

[Signature]  
Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: 11/03/2015 Alexander Fridman (L.S.)

Notarial Certificate

State of New Jersey )  
County Camden )

Before me personally appeared Alexander Fridman who acknowledged the foregoing instrument to be a free act and deed and also represented that s/he is authorized to execute the same the 3 day of November, in the year 2015.

CASEY DELGADO  
NOTARY PUBLIC OF NEW JERSEY  
ID # 2421655  
My Commission Expires 6/6/2017

Casey Delgado  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: 10-21-2015

[Signature]  
Hyongsup Kim

(L.S.)

Notarial Certificate

State of New Jersey )

County Camden )

Before me personally appeared Hyongsup Kim who acknowledged the foregoing instrument to be a free act and deed and also represented that s/he is authorized to execute the same the 21<sup>st</sup> day of October, in the year 2015.

[Signature]  
Notary Public

