

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3549064

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RYAN TODD CAPLAN	09/22/2015
BRUCE F. KATZ	09/22/2015
JOSEPH JOHN PIZONKA	09/22/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COLDLIGHT SOLUTIONS, LLC
<b>Street Address:</b>	550 E. SWEDES FORD ROAD
<b>Internal Address:</b>	SUITE 260
<b>City:</b>	WAYNE
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19087
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14822469
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(610)640-7835
<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)981-4505
<b>Email:</b>	harvells@pepperlaw.com
<b>Correspondent Name:</b>	PEPPER HAMILTON LLP
<b>Address Line 1:</b>	899 CASSATT ROAD
<b>Address Line 2:</b>	400 BERWYN PARK
<b>Address Line 4:</b>	BERWYN, PENNSYLVANIA 19312
<b>ATTORNEY DOCKET NUMBER:</b>	140983.00301
<b>NAME OF SUBMITTER:</b>	MICHAEL K. JONES
<b>SIGNATURE:</b>	/Michael K. Jones/
<b>DATE SIGNED:</b>	09/30/2015
<b>Total Attachments: 5</b>	
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ASSIGNMENT

WHEREAS, we, Ryan Todd Caplan of 1284 Fritz Circle, Huntingdon Valley, Pennsylvania 19006; Bruce F. Katz of 328 S. Smedley Street, Philadelphia, Pennsylvania 19103; and Joseph John Pizonka of 225 Central Drive, Phoenixville, Pennsylvania 19460; hereinafter referred to as the ASSIGNORS, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. 14/822,469 filed August 10, 2015, entitled **AN AUTOMATED METHODOLOGY FOR INDUCTIVE BIAS SELECTION AND ADAPTIVE ENSEMBLE CHOICE TO OPTIMIZE PREDICTIVE POWER**; and

WHEREAS, ColdLight Solutions, LLC, hereinafter referred to as the Assignee, of 550 E. Swedesford Road, Suite 260, Wayne, PA 19087, a limited liability company of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged and intending to be legally bound hereby, 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 inventions or improvements and said application and any and all corresponding patent application(s), and continuations, divisions and renewals of and substitutes for said corresponding 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, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said ASSIGNEE to file in our names corresponding patent 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 inventions or improvements, said application, said corresponding patent applications (s) and said Letters Patent to said ASSIGNEE, its successors, assigns, nominees or legal representatives, and each of us agrees to communicate to said ASSIGNEE, or to its nominee all known facts respecting said inventions or improvements, said application, said corresponding patent 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 inventions or improvements in any and all countries.

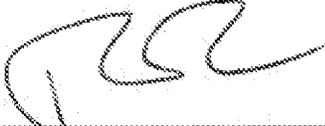
AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as ASSIGNEE of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

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

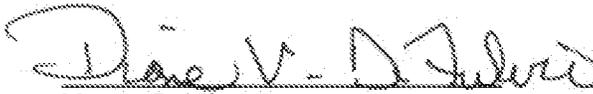
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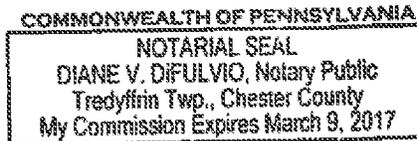
  
\_\_\_\_\_  
Ryan Todd Caplan

STATE OF Pennsylvania ) SS.  
COUNTY OF Chester

On September 22, 2015 before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared Ryan Todd Caplan personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which he/she acted, executed this Assignment.

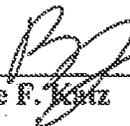
WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public



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

DATE: 09/22/2015

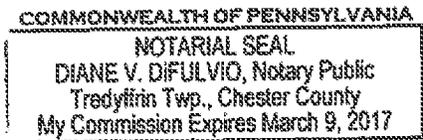
  
\_\_\_\_\_  
Bruce F. Katz

STATE OF Pennsylvania ) SS.  
COUNTY OF Chester

On September 22 2015 before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared Bruce F. Katz personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which he/she acted, executed this Assignment.

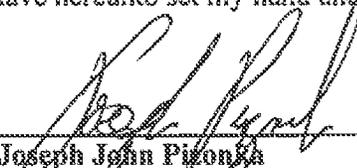
WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public



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

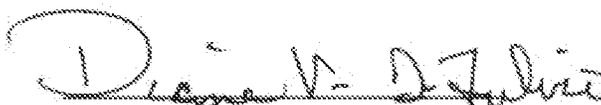
DATE: 09/22/15

  
\_\_\_\_\_  
Joseph John Pizonka

STATE OF Pennsylvania ) SS.  
COUNTY OF Chester )

On Sept. 22, 2015 before me, the undersigned, a notary public for the State of Pennsylvania, there personally appeared Joseph John Pizonka personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his/her authorized capacity and that by his/her signature on this Assignment, the person or the entity upon behalf of which he/she acted, executed this Assignment.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Notary Public

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
DIANE V. DIFULVIO, Notary Public  
Tredyffrin Twp., Chester County  
My Commission Expires March 9, 2017