

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Frederic A. BOURKE Jr.	01/28/2011
Zakaryae FATHI	12/23/2010
Ian Nicholas STANTON	12/16/2010
Michael J. THERIEN	12/30/2010
Paul R. STAUFFER	12/14/2010
Paolo MACCARINI	12/14/2010
Katherine S. HANSEN	12/15/2010
Diane R. FELS	12/14/2010
Cory R. WYATT	12/16/2010
Mark W. DEWHIRST	12/15/2010

RECEIVING PARTY DATA

Name:	IMMUNOLIGHT, LLC
Street Address:	1901 St. Antoine Street
Internal Address:	6th Floor at Ford Field
City:	Detroit
State/Country:	MICHIGAN
Postal Code:	48226

Name:	DUKE UNIVERSITY
Street Address:	2020 W. Main Street
Internal Address:	Suite 10
City:	Durham
State/Country:	NORTH CAROLINA
Postal Code:	27705

PROPERTY NUMBERS Total: 1

Property Type	Number

501422254

PATENT
REEL: 025723 FRAME: 0477

OP \$40.00 12943787

Application Number:	12943787
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CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000

Email: tclemons@oblon.com

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	371563US23X
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NAME OF SUBMITTER:	Toben R. Clemons
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Total Attachments: 8

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371563US

Assignment of Application

WHEREAS, I (WE) 1) Frederic A. BOURKE, Jr., Greenwich, Connecticut

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

2) Zakaryae FATHI, Raleigh, North Carolina (Both of which are assigned to IMMUNOLIGHT, LLC)

1) Ian N. STANTON, Durham, North Carolina

2) Michael J. THERIEN, Durham, North Carolina

3) Paul R. STAUFFER, Durham, North Carolina

4) Paolo MACCARINI, Durham, North Carolina

5) Katherine S. HANSEN, Cary, North Carolina

6) Diane R. FELS, Morrisville, North Carolina

7) Cory R. WYATT, Durham, North Carolina

8) Mark W. DEWHIRST, Durham, North Carolina (All of which are assigned Duke University)

, respectively,

have invented certain new and useful improvements in: UP AND DOWN CONVERSION SYSTEMS FOR PRODUCTION OF EMITTED LIGHT FROM VARIOUS ENERGY SOURCES INCLUDING RADIO FREQUENCY, MICROWAVE ENERGY AND MAGNETIC INDUCTION SOURCES FOR UPCONVERSION

INSERT TITLE OF
INVENTION:

(Application No. 12/943,787, filed November 10, 2010), and

WHEREAS, 1) IMMUNOLIGHT, LLC and 2) DUKE UNIVERSITY

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1) 1901 St. Antoine Street, 6th Floor at Ford Field, Detroit, Michigan 48226 and 2) 2020 W. Main Street, Suite 10, Durham, North Carolina 27705 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

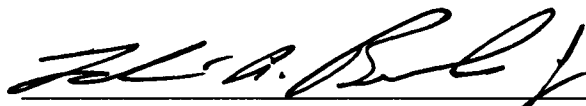
07/09

PATENT
REEL: 025723 FRAME: 0479

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 1/28/11


(Signature of Inventor) Frederic A. BOURKE, Jr.

Date: _____

(Signature of Inventor) Zakaryae FATHI

Date: _____

(Signature of Inventor) Ian Nicholas STANTON

Date: _____

(Signature of Inventor) Michael J. THERIEN

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(Signature of Inventor) Paul R. STAUFFER

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(Signature of Inventor) Mark W. DEWHIRST

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

371563US

Assignment of Application

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WHEREAS, I (WE) 1) Frederic A. BOURKE, Jr., Greenwich, Connecticut

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(Application No. 12/943,787, filed November 10, 2010), and

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OTHER ASSIGNEE

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Date: _____

(Signature of Inventor) Frederic A. BOURKE, Jr.

Date: 12-23-10

(Signature of Inventor) Zakaryae FATHI

Date: _____

(Signature of Inventor) Ian Nicholas STANTON

Date: _____

(Signature of Inventor) Michael J. THERIEN

Date: _____

(Signature of Inventor) Paul R. STAUFFER

Date: _____

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Date: _____

(Signature of Inventor) Katherine S. HANSEN

Date: _____

(Signature of Inventor) Diane R. FELS

Date: _____

(Signature of Inventor) Cory R. WYATT

Date: _____

(Signature of Inventor) Mark W. DEWHIRST

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Date: _____	(Signature of Inventor) Frederic A. BOURKE, Jr.
Date: _____	(Signature of Inventor) Zakaryae FATHI
Date: <u>16 Dec 2010</u>	(Signature of Inventor) Ian Nicholas STANTON
Date: <u>30 Dec 2010</u>	(Signature of Inventor) Michael J. THERIEN
Date: _____	(Signature of Inventor) Paul R. STAUFFER
Date: _____	(Signature of Inventor) Paolo MACCARINI
Date: _____	(Signature of Inventor) Katherine S. HANSEN
Date: _____	(Signature of Inventor) Diane R. FELS
Date: _____	(Signature of Inventor) Cory R. WYATT
Date: _____	(Signature of Inventor) Mark W. DEWILST

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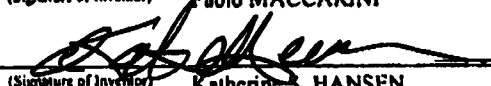
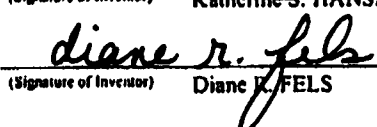
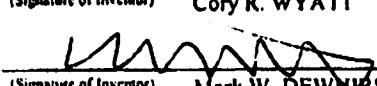
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Date: <u>12/14/10</u>	(Signature of Inventor) <u>Paul R. Stauffer</u> Paul R. STAUFFER
Date: <u>12/14/2010</u>	(Signature of Inventor) <u>Paolo MacCarini</u> Paolo MACCARINI
Date: _____	(Signature of Inventor) _____ Katherine S. HANSEN
Date: _____	(Signature of Inventor) _____ Diane R. FELS
Date: <u>12/16/10</u>	(Signature of Inventor) <u>Cory R. Wyatt</u> Cory R. WYATT
Date: _____	(Signature of Inventor) _____ Mark W. DEWHIRST

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