

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Brian Cumpston</td><td>10/14/1998</td></tr><tr><td>Matthew Lipson</td><td>10/14/1998</td></tr><tr><td>Seth R. Marder</td><td>10/30/1998</td></tr><tr><td>Joseph W. Perry</td><td>10/29/1998</td></tr></tbody></table>	Name	Execution Date	Brian Cumpston	10/14/1998	Matthew Lipson	10/14/1998	Seth R. Marder	10/30/1998	Joseph W. Perry	10/29/1998	
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Brian Cumpston	10/14/1998										
Matthew Lipson	10/14/1998										
Seth R. Marder	10/30/1998										
Joseph W. Perry	10/29/1998										
RECEIVING PARTY DATA											
Name:	California Institute of Technology										
Street Address:	1200 East California Boulevard										
City:	Pasadena										
State/Country:	CALIFORNIA										
Postal Code:	91125										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10442431</td></tr></tbody></table>	Property Type	Number	Application Number:	10442431							
Property Type	Number										
Application Number:	10442431										
CORRESPONDENCE DATA											
Fax Number:	(858)350-9691										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	David W. Maher										
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Address Line 2:	Suite E										
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ATTORNEY DOCKET NUMBER:	CIT86100DV										
NAME OF SUBMITTER:	David W. Maher										

OP \$40.00 10442431

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PATENT
REEL: 018814 FRAME: 0154

Total Attachments: 6

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PATENT

REEL: 018814 FRAME: 0155



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 14, 1999

PTAS

LIMBACH & LIMBACH L.L.P.
PATRICIA COLEMAN JAMES
2001 FERRY BUILDING
SAN FRANCISCO, CALIFORNIA 94111



100996075A

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JUN 24 1999

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RECORDATION DATE: 11/12/1998

REEL/FRAME: 9853/0942
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
CUMPSTON, BRIAN

DOC DATE: 10/14/1998

ASSIGNOR:
LIPSON, MATTHEW

DOC DATE: 10/14/1998

ASSIGNOR:
MARDER, SETH R.

DOC DATE: 10/30/1998

ASSIGNOR:
PERRY, JOSEPH W.

DOC DATE: 10/29/1998

ASSIGNEE:
CALIFORNIA INSTITUTE OF TECHNOLOGY
1200 EAST CALIFORNIA BOULEVARD
PASADENA, CALIFORNIA 91125

SERIAL NUMBER: 60082128
PATENT NUMBER:

FILING DATE: 04/16/1998
ISSUE DATE:

11-16-1998

FORM PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100877845

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Brian Cumpston
Matthew Lipson
Seth R. Mander
Joseph W. Perry

2. Name and address of receiving party(ies):

Name:

Internal Address:

Street Address:

City, State and Zip:

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Additional Name(s) & address(es) attached?

☐ Yes☒ No

Execution Date: 10/14/98, 10/29/98 & 10/30/98

Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
60/082,128

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patricia Coleman James

Internal Address: Limbach & Limbach L.L.P.

Street Address: 2001 Ferry Building

City, State, Zip: San Francisco, California 94111

Telephone: (415) 433-4150

Facsimile: (415) 433-8716

Attorney Docket No. CICH-10700 (CIT 2804)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

☒ Enclosed☒ Charge any deficiencies in the enclosed fee to
Deposit Account No. 12-1420☐ Authorized to be charged to deposit account

8. Deposit account number: 12-1420

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patricia Coleman James, Reg. No. 37,155
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 5

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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PATENT

REEL: 018814 FRAME: 0157

ASSIGNMENT

WHEREAS, WE, Brian Cumpston, Matthew Lipson, Seth R. Marder, Joseph W. Perry, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TWO-PHOTON OR HIGHER-ORDER ABSORBING OPTICAL MATERIALS FOR GENERATION OF REACTIVE SPECIES

Application (Declaration/Oath) Execution Date: _____

Filing Date: April 16, 1998 Application No.: 60/082,128

WHEREAS, California Institute of Technology, a corporation of the State of California, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 10/14/98

Brian Cumpston
Brian Cumpston

State of _____
County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 10/14/99

Matthew Ligon
Matthew Ligon

State of _____
County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: _____

Seth R. Marder

State of _____
County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: _____

Joseph W. Perry

State of _____
County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

ASSIGNMENT

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Filing Date: April 16, 1998 Application No.: 60/082,128

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Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: _____

Brian Cumpston

State of _____

County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

WITNESS my hand and official seal.

Notary Public

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: _____

Matthew Lipson

State of _____

County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 10/30/98

Seth R. Marder

State of _____

County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 10/29/98

Joseph W. Perry

State of _____

County of _____

On _____ before me, _____

personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL