

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4382764

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTIAN W. FREUDIGER	04/14/2017
DAN FU	04/16/2017
XIAOLIANG SUNNEY XIE	04/14/2017
RECEIVING PARTY DATA	
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State/Country:	MASSACHUSETTS
Postal Code:	02138
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14793099
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ATTORNEY DOCKET NUMBER:	HU 4275
NAME OF SUBMITTER:	ANGELA M. GRIFFITH
SIGNATURE:	/Angela M. Griffith/
DATE SIGNED:	04/25/2017
Total Attachments: 10	
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned:

Christian W. Freudiger, Dan Fu and Xiaoliang Sunney Xie

(each hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street
Cambridge, MA 02138**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions for:

LASER ILLUMINATION SYSTEMS AND METHODS FOR DUAL- EXCITATION WAVELENGTH NON-LINEAR OPTICAL MICROSCOPY AND MICRO-SPECTROSCOPY SYSTEMS

described in **U.S. Application No. 14/793,099**, filed **July 7, 2015**, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Patent Assignment
MU Case No.: MU 4275
Appl. No.: 14/793,099

04/14/2017
Date

Christian W. Freudiger
Inventor: Christian W. Freudiger

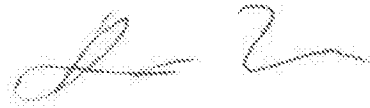
Address:
Citizenship:

Witness:
04/14/2017
Date

Jennifer Elvitis
Signature: Jennifer Elvitis
Name: JENNIFER ELVITIS
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SAN CARLOS, CA - 94070

Patent Assignment
HU Case No.: HU 4275
Appln. No.: 14/793,099

04/16/2017
Date



Inventor: **Dan Fu**
Address: 7018 24th Ave NE, Seattle WA 98115
Citizenship: China

Witness:
04/16/2017
Date



Signature

Name: Minmin Chen

Address: 7018 24th Ave NE, Seattle WA 98115

Date

Inventor: **Xiaoliang Sunney Xie**
Address:
Citizenship:

Witness:

Date

Signature

Name: _____

Address: _____

ASSIGNMENT

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**LASER ILLUMINATION SYSTEMS AND METHODS FOR DUAL-
EXCITATION WAVELENGTH NON-LINEAR OPTICAL MICROSCOPY AND
MICRO-SPECTROSCOPY SYSTEMS**

described in U.S. Application No. 14/793,099, filed July 7, 2015, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Date

Inventor: Christian W. Freudiger

Address:

Citizenship:

Witness:

Date

Signature

Name: _____

Address: _____

Date

Inventor: Dan Fu
Address: _____
Citizenship: _____

Witness:

Date

Signature

Name: _____

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4/14/17
Date

Xu
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Witness:
4/14/17
Date

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Signature

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