

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5622382

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JACOB C. MOWER	06/15/2015
NICHOLAS C. HARRIS	06/13/2015
DIRK ROBERT ENGLUND	06/12/2015
GREG STEINBRECHER	06/05/2019
RECEIVING PARTY DATA	
Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVE.
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16433649
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	6179477280
Email:	lovato@smithbaluch.com
Correspondent Name:	SMITH BALUCH LLP
Address Line 1:	376 BOYLSTON ST.
Address Line 2:	SUITE 401
Address Line 4:	BOSTON, MASSACHUSETTS 02116
ATTORNEY DOCKET NUMBER:	MIT-16835US04
NAME OF SUBMITTER:	CHRISTOPHER MAX COLICE
SIGNATURE:	/Christopher Max Colice/
DATE SIGNED:	07/17/2019
Total Attachments: 7	
source=MIT-16835US03 - Executed Assignment#page1.tif	
source=MIT-16835US03 - Executed Assignment#page2.tif	

source=MIT-16835US03 - Executed Assignment#page3.tif
source=MIT-16835US03 - Executed Assignment#page4.tif
source=MIT-16835US03 - Executed Assignment#page5.tif
source=MIT-16835US03 - Executed Assignment#page6.tif
source=MIT-16835US03 - Executed Assignment#page7.tif

ASSIGNMENT

JACOB C. MOWER, residing at 26 Hardwick Street, Apt. 1, Cambridge, MA 02141, NICHOLAS C. HARRIS, residing at 65B Hingham Street, Cambridge, MA 02138, DIRK ROBERT ENGLUND, residing at 100 Pacific Street, Cambridge, MA 02139, and GREG STEINBRECHER, residing at 533 Putnam Avenue, Apt. 2, Cambridge, MA 02139; (referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **METHODS, SYSTEMS, AND APPARATUS FOR PROGRAMMABLE QUANTUM PHOTONIC PROCESSING**, and which is a:

- (1) provisional application
- (a) to be filed herewith; or
- (b) bearing Application No. _____, and filed on _____;
- (2) non-provisional application
- (a) to be filed herewith; or
- (b) bearing Application No. 14/732,012, and filed on 06-05-2015;
- (3) PCT application
- (a) bearing Application No. _____, and filed on _____.

WHEREAS, Massachusetts Institute of Technology, having its principal place of business at 77 Massachusetts Avenue, Cambridge, MA 02139 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1), (2) and/or (3); the right to file applications for patent of the United States or other countries on the Invention(s); any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the invention(s);

(b) the application for patent identified in paragraph (1) (2) and/or (3);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1), (2) and/or (3) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) - (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

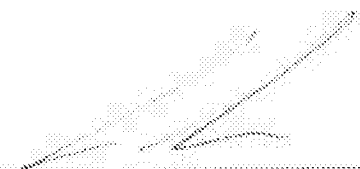
The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.


The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignor, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.


or hereby authorizes and requests the attorneys of **COOLEY LLP** to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1), (2) and/or (3) when known.

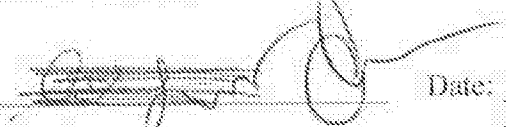
The Assignor understands and agrees that the attorneys and agents of the law firm of **COOLEY LLP** do not personally represent Assignor or Assignor's legal interests. Since said attorneys and agents cannot provide legal advice to the Assignor with respect to this Assignment, Assignor acknowledges its right to seek its own independent legal counsel.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Inventor Signature:  Date: 6/15/2015
 JACOB C. MOWER

Witness Signature:  Date: 6/15/2015
 Print Witness Name: Matthew E. Trushkin
 Address: 632 Massachusetts Ave. #301
Cambridge, MA 02139

Inventor Signature:  Date: 6/13/15
 NICHOLAS C. HARRIS

Witness Signature:  Date: 6/13/15
 Print Witness Name: ~~NIKE~~ ~~XXXXXXXXXX~~ DARIUS BUNANDAR
 Address: ~~100 Park St~~ ~~Cambridge, MA 02139~~ 401 WASHINGTON ST. 8PT-1L
CAMBRIDGE MA 02139.

Inventor Signature: *[Signature]* Date: 6/12/15
DIRK ROBERT ENGLUND

Witness Signature: *[Signature]* Date: June 15, 2015

Print Witness Name: ~~Notar Public~~ Royu Sakakibara

Address: ~~1701~~ 97 Massachusetts Avenue 36-597
Cambridge, MA 02139

Inventor Signature: _____ Date: _____
GREG STEINBRECHER

Witness Signature: _____ Date: _____

Print Witness Name: _____

Address: _____


Inventor Signature: _____ Date: _____
DIRK ROBERT ENGLUND

Witness Signature: _____ Date: _____

Print Witness Name: _____

Address: _____

Inventor Signature:  Date: 6/5/2015
GREG STEINBRECHER

Witness Signature:  Date: 06/05/2015

Print Witness Name: Nivedita Chandrasekaran

Address: 183 Third St, Apt 3
Cambridge, MA 02141

117540368 31