

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KRISTEN ANN SUNTER	12/12/2015
FARAZ NAJAFI	12/31/2015
ADAM NYKORUK MCCAUGHAN	12/16/2015
KARL KIMON BERGGREN	12/17/2015
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State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14983139
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Address Line 2:	SUITE 700
Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	MITX7420/00US 317239-2359
NAME OF SUBMITTER:	CHRISTOPHER MAX COLICE
SIGNATURE:	/Christopher Max Colice/
DATE SIGNED:	01/14/2016
Total Attachments: 7	
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ASSIGNMENT

KRISTEN ANN SUNTER, residing at 58 Bromfield Road, #2, Somerville, MA 02144; **FARAZ NAJAFI**, residing at 235 Albany Street, Apt. 4103B, Cambridge, MA 02139; **ADAM NYKORUK MCCAUGHAN**, residing at 402 Highland Avenue, Apt. 46, Somerville, MA 02144; and **KARL KIMON BERGGREN**, residing at 30 Harlow Street, #2, Arlington, MA 02474; (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in the following application(s), entitled **SUPERCONDUCTING NANOWIRE AVALANCHE PHOTODETECTORS WITH REDUCED CURRENT CROWDING**, and which include 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. 14/983,139, and filed on 12/29/2015;
- (3) PCT application
 (a) bearing Application No. _____, and filed on _____.

WHEREAS, Massachusetts Institute of Technology, a corporation duly organized under and pursuant to the laws of Massachusetts, and 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);

Attorney Docket No.: MITX-7420/00US 317239-2359

(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.

The Assignor 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 No.: MITX-7420/00US 317239-2359

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.

Attorney Docket No.: MITX-7420/00US 317239-2359

Inventor Signature: Kristen Ann Sunter Date: December 12, 2015
KRISTEN ANN SUNTER

Witness Signature: _____ Date: _____

Print Witness Name: _____

Address: _____

Inventor Signature: _____ Date: _____
FARAZ NAJAFI

Witness Signature: _____ Date: _____

Print Witness Name: _____

Address: _____

Attorney Docket No.: MITX-7420/00US 317239-2359

Inventor Signature: KRISTEN ANN SUNTER Date: _____

Witness Signature: _____ Date: _____

Print Witness Name: _____

Address: _____

Inventor Signature: [Signature] Date: 12/27/2015
FARAZ NAJAFI

Witness Signature: [Signature] Date: 12/31/15

Print Witness Name: Euclid Moon

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Attorney Docket No.: MITX-7420/00US 317239-2359

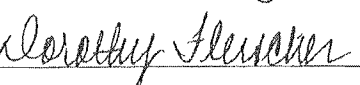
Inventor Signature:  Date: 12/16/15
ADAM NYKORUK MCCAUGHAN

Witness Signature:  Date: 12/16/15

Print Witness Name: Qingxuan Zhao

Address: 95 Maple St. Ap. 15
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Inventor Signature:  Date: 12/17/15
KARL KIMON BERGREN

Witness Signature:  Date: 12/17/15

Print Witness Name: Dorothy Fleischer


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Frammingham, MA 01702

Attorney Docket No.: MITX-7420/00US 317239-2359

Date: 1/4/2016

By: 

Name: Michele E. Ryan-Harty
Title: Manager of Patent Administration
Company: Massachusetts Institute of Technology

Witness Signature: 

Date: 1/4/16

Print Witness Name: Annette Casillae

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