

PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mr. K. Alexander McIntosh	06/10/2010
Mr. David C. Chapman	06/10/2010
Mr. Joseph P. Donnelly	06/10/2010
Mr. Douglas C. Oakley	06/10/2010
Mr. Antonio Napoleone	06/10/2010
Mr. Erik K. Duerr	06/10/2010
Mr. Simon Verghese	06/10/2010
Mr. Richard D. Younger	06/10/2010

RECEIVING PARTY DATA

Name:	Massachusetts Institute of Technology
Street Address:	77 Massachusetts Avenue
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	12771155
Application Number:	61214934

CORRESPONDENCE DATA

Fax Number: (978)369-7101

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

Phone: 978-369-2181

Email: lober@lober-patent.com

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Address Line 4: Concord, MASSACHUSETTS 01742

PATENT

501420220

REEL: 025712 FRAME: 0094

CH \$80.00 12771155

ATTORNEY DOCKET NUMBER:	MIT13695L
NAME OF SUBMITTER:	Theresa A. Lober
<p>Total Attachments: 6</p> <p>source=MIT-13695L-assignment-1-of-2#page1.tif</p> <p>source=MIT-13695L-assignment-1-of-2#page2.tif</p> <p>source=MIT-13695L-assignment-1-of-2#page3.tif</p> <p>source=MIT-13695L-assignment-2-of-2#page1.tif</p> <p>source=MIT-13695L-assignment-2-of-2#page2.tif</p> <p>source=MIT-13695L-assignment-2-of-2#page3.tif</p>	

**ASSIGNMENT**

Whereas we, the undersigned:

K. Alexander McIntosh, 573 Boston Road, Groton, MA 01450;  
David C. Chapman, 10448 Oso Ridge Place NW, Albuquerque, NM 87114;  
Joseph P. Donnelly, 190 Tophet Road, Carlisle, MA 01741;  
Douglas C. Oakley, 7 Irving Road, Natick MA 01760;  
Antonio Napoleone, 126 Westminster Avenue, Watertown, MA 02472;  
Erik K. Duerr, 24 Labbe Road, Groton, MA 01450;  
Simon Verghese, 5 Parker Road, Arlington, MA 02474; and  
Richard D. Younger, 18 Peters Street, #1, Cambridge, MA 02139

have made an invention for:

**CROSS-TALK SUPPRESSION IN  
GEIGER-MODE AVALANCHE PHOTODIODES**

described in an application for Letters patent of the United States filed in the United States Patent and Trademark Office on April 30, 2010, under serial No. 12/771,155, claiming priority under 35 U.S.C. §119(e) from United States Provisional Patent Application Serial No. 61/214,934, filed in the United States Patent and Trademark Office on April 30, 2009; and

WHEREAS the **Massachusetts Institute of Technology**, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, desires for the benefit of itself and its successors, assigns, and legal representatives, all inclusively hereinafter referred to as "Assignee," to acquire the entire right, title and interest in and to said invention, for the United States and all foreign countries, said applications, all inventions disclosed in said applications, and all Letters Patent of the United States and of all other countries which may be granted for said inventions;

NOW, THEREFORE, for good and valuable consideration provided by said Assignee, the receipt whereof is hereby acknowledged, we do hereby sell, assign, and transfer to said Assignee the entire right, title, and interest in and to said invention, inventions, and applications, including all priority rights arising therefrom, all inventions disclosed in said applications, and any and all Letters Patent of the United States, including but not limited to non-provisional, continuing, divisional, reissue, substitute, and reexaminations of said applications or such Letters Patent, and patents of all other countries, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on and of said inventions; together with the right to apply for patent rights in each foreign country and all rights to priority;

TO HAVE, HOLD, AND ENJOY said inventions, said applications, and said Letters Patent to said Assignee, to its and their own use and behoof to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND we hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on said applications above referred to, or for said inventions, or any of them, to said Assignee in accordance with the terms of this assignment;

AND we hereby agree to execute and sign without further consideration any other legal documents and rightful oaths, powers of attorney, assignments and any non-provisional, divisional, continuing, substitute, renewal, reissue, utility and all other patent, utility model, and industrial design applications on any; and all said inventions in and for all patents that may be appropriate and may be deemed necessary by the Assignee to fully secure to said Assignee its interests as aforesaid in and to said inventions or any part therefor and in and to said patents or any of them;

AND we further covenant and agree that we will at any time upon request communicate to said Assignee any facts known to me/us relating to said inventions and the history therefore and any patents that may be granted thereon, that we will testify as to the same in any interference or litigation when requested to do so, and that we will do everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

AND we hereby covenant with the Assignee that we have not assigned granted, mortgaged, licensed, or other otherwise entered into an agreement affecting the rights and property herein conveyed, and that full right to convey the same as herein expressed is possessed by us.

\_\_\_\_\_  
Date

\_\_\_\_\_  
K. Alexander McIntosh

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Witness Name:

10 June 2010

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Date

  
\_\_\_\_\_  
David C. Chapman

John M Merrill

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Witness Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Joseph P. Donnelly

\_\_\_\_\_  
Witness Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Douglas C. Oakley

\_\_\_\_\_  
Witness Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Antonio Napoleone

\_\_\_\_\_  
Witness Name:

\_\_\_\_\_  
Date

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Erik K. Duerr

\_\_\_\_\_  
Witness Name:

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Date

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WHEREAS the **Massachusetts Institute of Technology**, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, desires for the benefit of itself and its successors, assigns, and legal representatives, all inclusively hereinafter referred to as "Assignee," to acquire the entire right, title and interest in and to said invention, for the United States and all foreign countries, said applications, all inventions disclosed in said applications, and all Letters Patent of the United States and of all other countries which may be granted for said inventions;

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TO HAVE, HOLD, AND ENJOY said inventions, said applications, and said Letters Patent to said Assignee, to its and their own use and behoof to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;


AND we hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on said applications above referred to, or for said inventions, or any of them, to said Assignee in accordance with the terms of this assignment;


AND we hereby agree to execute and sign without further consideration any other legal documents and rightful oaths, powers of attorney, assignments and any non-provisional, divisional, continuing, substitute, renewal, reissue, utility and all other patent, utility model, and industrial design applications on any; and all said inventions in and for all patents that may be appropriate and may be deemed necessary by the Assignee to fully secure to said Assignee its interests as aforesaid in and to said inventions or any part therefor and in and to said patents or any of them;

AND we further covenant and agree that we will at any time upon request communicate to said Assignee any facts known to me/us relating to said inventions and the history therefore and any patents that may be granted thereon, that we will testify as to the same in any interference or litigation when requested to do so, and that we will do everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

AND we hereby covenant with the Assignee that we have not assigned granted, mortgaged, licensed, or other otherwise entered into an agreement affecting the rights and property herein conveyed, and that full right to convey the same as herein expressed is possessed by us.

10 JUNE 2010  
Date

  
K. Alexander McIntosh

  
Witness Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
David C. Chapman

\_\_\_\_\_  
Witness Name:

10 June 2010  
Date

Joseph P. Donnelly  
Joseph P. Donnelly

Alex Michelson  
Witness Name:

June 10, 2010  
Date

Doug C Oakley  
Douglas C. Oakley

Antonio Napoleone  
Witness Name:

June 10, 2010  
Date

Antonio Napoleone  
Antonio Napoleone

Doug C Oakley  
Witness Name:

10 June 2010  
Date

Erik K. Duerr  
Erik K. Duerr

Alex Michelson  
Witness Name:

10 June 2010  
Date

Simon Verghese  
Simon Verghese

Alex Michelson  
Witness Name:

10 June 2010  
Date

Richard D. Younger  
Richard D. Younger

Witness  
Witness Name: