

PATENT ASSIGNMENT

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Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rajeev J. Ram	07/16/2008
Janice A. Hudgings	06/24/2008
Maryam Farzaneh	06/04/2008

RECEIVING PARTY DATA

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

Name:	MOUNT HOLYOKE COLLEGE
Street Address:	50 COLLEGE STREET
City:	SOUTH HADLEY
State/Country:	MASSACHUSETTS
Postal Code:	01075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12115201

CORRESPONDENCE DATA

Fax Number: (617)310-9866

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

Phone: 617-439-2514

Email: docket@nutter.com

Correspondent Name: Reza Mollaaghababa

Address Line 1: 155 Seaport Boulevard

Address Line 4: Boston, MASSACHUSETTS 02210

OP \$40.00 12115201

PATENT

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REEL: 021390 FRAME: 0597

ATTORNEY DOCKET NUMBER:	101328-0249
NAME OF SUBMITTER:	Reza Mollaaghababa
<p>Total Attachments: 14</p> <p>source=RamAssignment#page1.tif</p> <p>source=RamAssignment#page2.tif</p> <p>source=RamAssignment#page3.tif</p> <p>source=RamAssignment#page4.tif</p> <p>source=HudgingsAssignment#page1.tif</p> <p>source=HudgingsAssignment#page2.tif</p> <p>source=HudgingsAssignment#page3.tif</p> <p>source=HudgingsAssignment#page4.tif</p> <p>source=HudgingsAssignment#page5.tif</p> <p>source=FarzanehAssignment#page1.tif</p> <p>source=FarzanehAssignment#page2.tif</p> <p>source=FarzanehAssignment#page3.tif</p> <p>source=FarzanehAssignment#page4.tif</p> <p>source=FarzanehAssignment#page5.tif</p>	

Assignment	
I hereby certify that this correspondence is being electronically filed via EFS-Web with the United States Patent and Trademark Office on the date shown below.	
Dated: <u>Aug. 14, 2008</u>	Signature: <u>[Signature]</u> (Reza Mollaaghababa)

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 15 day of July, 2008, by
Rajeev J. Ram (hereinafter referred to as Assignor), residing at 63 Chester Street, Arlington,
Massachusetts 02476;

WHEREAS, Assignor has invented certain new and useful improvements in
OPTICAL CHARACTERIZATION OF PHOTONIC INTEGRATED CIRCUITS, set forth in a
Patent application for Letters Patent of the United States, already filed on May 5, 2008 as U.S.
Application No. 12/115,201; and

WHEREAS, MASS INSTITUTE OF TECHNOLOGY (MIT), a College organized
under and pursuant to the laws of Massachusetts having their principal places of business at 77
Massachusetts Avenue, Cambridge, Massachusetts 02139 (hereinafter referred to as
Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions
and said Application for Letters Patent of the United States, and in and to any Letters Patent of
the United

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold,
assigned, transferred and set over, and by these presents does sell, assign, transfer and set over,
unto Assignees, their successors, legal representatives and assigns, the entire right, title and
interest in and to the above-mentioned inventions and application for Letters Patent, and in and
to any and all direct and indirect divisions, continuations and continuations-in-part of said
application, and any and all Letters Patent in the United States and all foreign countries which
may be granted therefore and thereon, and reissues, reexaminations and extensions of said
Letters Patent, and all rights under the International Convention for the Protection of Industrial
Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the
use and benefit of their successors, legal representatives and assigns, to the full end of the term
or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignees, their successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

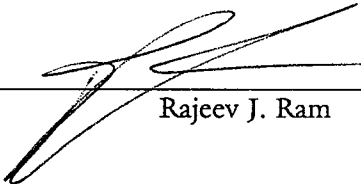
AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

NUTTER MCCLENNEN & FISH LLP

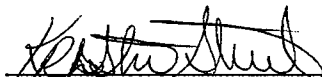
All practitioners at Customer Number 21125

AND Assignor acknowledges an obligation of assignment of this invention to Assignees at the time the invention was made.


Rajeev J. Ram

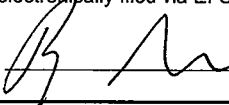
Date: 7/16/08

On this 16 day of July, 2008 before me, the undersigned notary public,
personally appeared Rajeev J. Ram, proved to me through satisfactory
evidence of identification, which were DL # S58 094178,
to be the person whose name is signed on the preceding or attached document, and
Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.

 (official signature and seal of notary)

KRISTINE FLORENCE STEWART
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires
July 5, 2013

1735438.1

Assignment	
I hereby certify that this correspondence is being electronically filed via EFS-Web with the United States Patent and Trademark Office on the date shown below.	
Dated: <u>Aug. 14, 2008</u>	Signature: <u></u> (Reza Mollaaghababa)

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 24 day of June, 2008, by Janice A. Hudgings and Maryam Farzaneh (hereinafter referred to as Assignors), residing at 13 Silver Street, South Hadley, Massachusetts 01075; and 5 Hadley Street, Apt. B3, South Hadley, 01075, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in OPTICAL CHARACTERIZATION OF PHOTONIC INTEGRATED CIRCUITS, set forth in a Patent application for Letters Patent of the United States, already filed on May 5, 2008 as U.S. Application No. 12/115,201; and

WHEREAS, MOUNT HOLYOKE COLLEGE, a College organized under and pursuant to the laws of Massachusetts having its principal place of business at 50 College Street, South Hadley, Massachusetts 01075 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

NUTTER MCCLENNEN & FISH LLP

All practitioners at Customer Number 21125

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

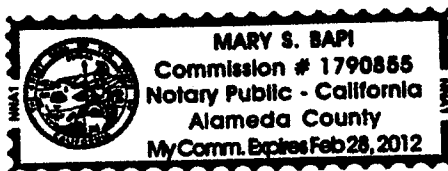
Janice A. Hudgings
Janice A. Hudgings

Date: June 24, 2008

On this 24 day of JUNE, _____ before me, the undersigned notary public,
personally appeared Janice A. Hudgings, proved to me through satisfactory
evidence of identification, which were MA DL,
to be the person whose name is signed on the preceding or attached document, and
Acknowledged to me that she signed it voluntarily for its stated purpose.

Mary S. Bapi

(official signature and seal of notary)



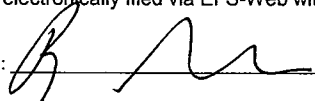
Maryam Farzaneh

Date: _____

On this _____ day of _____, _____ before me, the undersigned notary public, personally appeared _____ Maryam Farzaneh _____, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that she signed it voluntarily for its stated purpose.

_____ (official signature and seal of notary)

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Assignment	
I hereby certify that this correspondence is being electronically filed via EFS-Web with the United States Patent and Trademark Office on the date shown below.	
Dated: <u>Aug. 14, 2008</u>	Signature: <u></u> (Reza Mollaaghababa)

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, _____, by Janice A. Hudgings and Maryam Farzaneh (hereinafter referred to as Assignors), residing at 13 Silver Street, South Hadley, Massachusetts 01075; and 5 Hadley Street, Apt. B3, South Hadley, 01075, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in OPTICAL CHARACTERIZATION OF PHOTONIC INTEGRATED CIRCUITS, set forth in a Patent application for Letters Patent of the United States, already filed on May 5, 2008 as U.S. Application No. 12/115,201; and

WHEREAS, MOUNT HOLYOKE COLLEGE, a College organized under and pursuant to the laws of Massachusetts having its principal place of business at 50 College Street, South Hadley, Massachusetts 01075 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

NUTTER MCCLENNEN & FISH LLP

All practitioners at Customer Number 21125

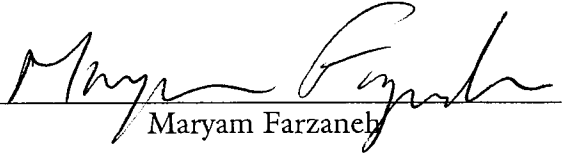
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Janice A. Hudgings

Date: _____


On this _____ day of _____, _____ before me, the undersigned notary public,
personally appeared Janice A. Hudgings, proved to me through satisfactory
evidence of identification, which were _____,
to be the person whose name is signed on the preceding or attached document, and
Acknowledged to me that she signed it voluntarily for its stated purpose.

_____ (official signature and seal of notary)


Maryam Farzaneh

Date: 6/4/08

On this 4 day of June, 2008 before me, the undersigned notary public,
personally appeared Maryam Farzaneh, proved to me through satisfactory
evidence of identification, which were an Ohio drivers license,
to be the person whose name is signed on the preceding or attached document, and
Acknowledged to me that she signed it voluntarily for its stated purpose.

 (official signature and seal of notary)



NATHAN DIGIACOMO
Notary Public
In and for the State of Ohio
My Commission Expires
APRIL 16, 2011

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