

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Thomas K. Gaylord</td><td>11/14/2005</td></tr><tr><td>Brent L. Bachim</td><td>11/28/2005</td></tr></tbody></table>		Name	Execution Date	Thomas K. Gaylord	11/14/2005	Brent L. Bachim	11/28/2005
Name	Execution Date						
Thomas K. Gaylord	11/14/2005						
Brent L. Bachim	11/28/2005						
RECEIVING PARTY DATA							
Name:	Georgia Tech Research Corporation						
Street Address:	505 10th Street, N.W.						
City:	Atlanta						
State/Country:	GEORGIA						
Postal Code:	30332-0415						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11216572</td></tr></tbody></table>		Property Type	Number	Application Number:	11216572		
Property Type	Number						
Application Number:	11216572						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Christopher B. Linder						
Total Attachments: 4 source=00326568#page1.tif source=00326568#page2.tif							

OP \$40.00 11216572

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PATENT
REEL: 016911 FRAME: 0909

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

Name

Address

Thomas K. Gaylord
Brent L. Bachim

3180 Verdun Dr. N.W., Atlanta, GA 30305
2067 Lake Park Dr. S.E., Smyrna, GA 30080

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**Optical Interconnects in Microelectronicis Based on Azimuthally Asymmetric Long-Period
Fiber Grating Couplers,**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on August 31, 2005, and assigned Serial No. 11/216,572, and
- ☒ further described in U.S. Provisional application entitled Optical Interconnects in Microelectronics based on Azimuthally Azymmetric Long-Period Fiber Grating Couplers, filed with the USPTO on August 31, 2004, and assigned Serial No. 60/605,860.

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, Georgia Tech Research Corporation, having a place of business at 505 10th Street, N.W., Atlanta, GA 30332-0415, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

Thomas K Gaylord
Thomas K. Gaylord

Date: 11/14/05

United States of America

State of Georgia

County of Fulton

On this 14th day of November, 2005, before me personally came **Thomas K. Gaylord** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Claude J. Ford
Notary Public

9-16-09
My Commission Expires (Date)

Brent L. Bachim
Brent L. Bachim

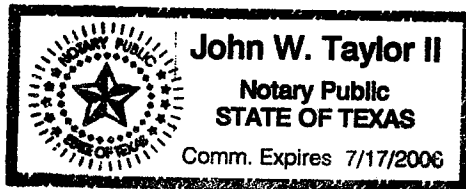
Date: November 28, 2005

United States of America

State of Texas

County of Tarrant

On this 28 day of November, 2005, before me personally came **Brent L. Bachim** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



John W. Taylor II
Notary Public

July 17, 2006
My Commission Expires (Date)