

## PATENT ASSIGNMENT

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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>Guifang Li</td> <td>03/22/2013</td> </tr> <tr> <td>Ibrahim T. Ozdur</td> <td>02/19/2013</td> </tr> <tr> <td>Hong Shu</td> <td>02/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Guifang Li	03/22/2013	Ibrahim T. Ozdur	02/19/2013	Hong Shu	02/18/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>University of Central Florida Research Foundation, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>12201 Research Parkway, Suite 501</td> </tr> <tr> <td>City:</td> <td>Orlando</td> </tr> <tr> <td>State/Country:</td> <td>FLORIDA</td> </tr> <tr> <td>Postal Code:</td> <td>32826</td> </tr> </table>		Name:	University of Central Florida Research Foundation, Inc.	Street Address:	12201 Research Parkway, Suite 501	City:	Orlando	State/Country:	FLORIDA	Postal Code:	32826
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CORRESPONDENCE DATA											
<p>Fax Number: 7709510933  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7709339500        Email: mary.meegan@thomashorstemeyer.com        Correspondent Name: Thomas   horstemeyer, LLP        Address Line 1: 400 Interstate North Parkway        Address Line 2: Suite 1500        Address Line 4: Atlanta, GEORGIA 30339</p>											
ATTORNEY DOCKET NUMBER:	292102-1770										
NAME OF SUBMITTER:	David R. Risley										
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CH \$40.00 13646475

**ASSIGNMENT  
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Guifang Li	4398 New Broad Street, Orlando, FL 32814
Ibrahim T. Ozdur	12085 Lake Cypress Circle, Orlando, FL 32828
Hong Shu	7400 Stirling Road, Apartment # 1115 Hollywood, FL 33024

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:

**SYSTEMS AND METHODS FOR AMPLIFYING SPACE  
-MULTIPLEXED OPTICAL SIGNALS**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on October 5, 2012, and assigned Serial No. 13/646,475, and
- ☒ further described in U.S. Provisional application entitled "Systems And Methods For Amplifying Space-Multiplexed Optical Signals", filed with the USPTO on October 5, 2011, and assigned Serial No. 61/543,524.

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

WHEREAS, University of Central Florida Research Foundation, Inc., having a place of business at 12201 Research Parkway, Suite 501, Orlando, FL 32826, 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.

Full Name of First Inventor: Guifang Li  
Residence: 4398 New Broad Street, Orlando, FL 32814

Inventor's Signature:  Date: 3/22/13

Full Name of Second Inventor: Ibrahim T. Ozdur  
Residence: 12085 Lake Cypress Circle, Orlando, FL 32828

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

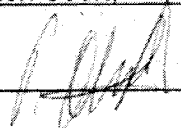
Full Name of Third Inventor: Hong Shu  
Residence: 7400 Stirling Road, Apartment # 1115 Hollywood, FL 33024

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of First Inventor: Guifang Li  
Residence: 4398 New Broad Street, Orlando, FL 32814

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Second Inventor: Ibrahim T. Ozdur  
Residence: 7203 Avalon Court, West Long Branch, NJ 07764

Inventor's Signature:  Date: 02-19-2013

Full Name of Third Inventor: Hong Shu  
Residence: 7400 Stirling Road, Apartment # 1115 Hollywood, FL 33024

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

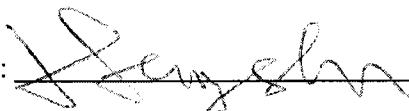
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Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full Name of Third Inventor: Hong Shu  
Residence: 7400 Stirling Road, Apartment # 1115 Hollywood, FL 33024

Inventor's Signature:  Date: Feb. 18, 2013