

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>David W. Jenkins</td> <td>08/12/2008</td> </tr> <tr> <td>Ramasubramanian Anand</td> <td>08/12/2008</td> </tr> <tr> <td>Dion Kwun Kit Leung</td> <td>08/12/2008</td> </tr> <tr> <td>Kenneth M. Fisher</td> <td>08/08/2008</td> </tr> <tr> <td>Hector Ayala</td> <td>08/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	David W. Jenkins	08/12/2008	Ramasubramanian Anand	08/12/2008	Dion Kwun Kit Leung	08/12/2008	Kenneth M. Fisher	08/08/2008	Hector Ayala	08/08/2008
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<table border="1"> <tr> <td>Name:</td> <td>Tellabs Operations, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1415 West Diehl Road</td> </tr> <tr> <td>City:</td> <td>Naperville</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>60563</td> </tr> </table>		Name:	Tellabs Operations, Inc.	Street Address:	1415 West Diehl Road	City:	Naperville	State/Country:	MASSACHUSETTS	Postal Code:	60563		
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CORRESPONDENCE DATA													
<p>Fax Number: 9783410136 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 978-341-0036 Email: nicole.isabelle@hbsr.com Correspondent Name: Mark B. Solomon, Esq. Address Line 1: 530 Virginia Road, P.O. Box 9133 Address Line 2: Hamilton, Brook, Smith & Reynolds, P.C. Address Line 4: Concord, MASSACHUSETTS 01742-9133</p>													
ATTORNEY DOCKET NUMBER:	2376.2255-002												
NAME OF SUBMITTER:	Nicole Isabelle												

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Signature:	/Nicole Isabelle/
Date:	09/13/2013
Total Attachments: 4 source=2376225500ASG#page1.tif source=2376225500ASG#page2.tif source=2376225500ASG#page3.tif source=2376225500ASG#page4.tif	

Joint

ASSIGNMENT

WHEREAS, we, **David W. Jenkins, Ramasubramanian Anand, Hector Ayala, Dion Kwun Kit Leung, and Kenneth M. Fisher**, have invented a certain improvement in **Method and Apparatus for Displaying and Identifying Available Wavelength Paths Across a Network** described in an application for Patent,

- ☒ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☐ the specification of which is United States Application No. [], filed [];
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and assigned United States Application No. []];
- ☐ which was patented under United States Patent No. [].

WHEREAS, **Tellabs Operations, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **1415 West Diehl Road, Naperville, IL 60563** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____

David W. Jenkins

David W. Jenkins

State/Commonwealth

of ILLINOIS

County of DuPage

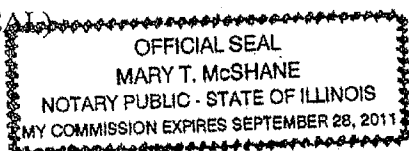
On this 12th day of August 2008, before me, the undersigned notary public, personally appeared David W. Jenkins,

☒ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)



Notary Public Mary T. McShane

Mary T. McShane (print name)

My Commission expires 09 / 28 / 2011

Inventor's Signature: _____

Ramasubramanian Anand

State/Commonwealth

of Illinois

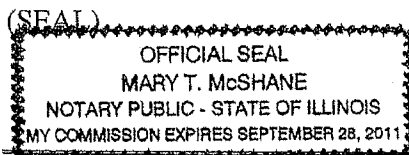
County of DuPage

On this 12th day of AUGUST 2008, before me, the undersigned notary public, personally appeared Ramasubramanian Anand,

☒ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Notary Public Mary T. McShane

Mary T. McShane (print name)

My Commission expires 09/28/2011

Inventor's Signature: _____

Hector Ayala

State/Commonwealth

of Illinois

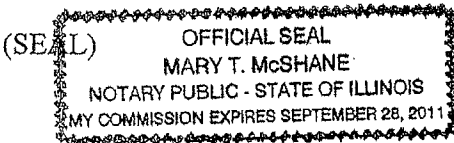
County of DuPage

On this 8th day of AUGUST 2008, before me, the undersigned notary public, personally appeared Hector Ayala,

☒ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Notary Public Mary T. McShane

Mary T. McShane (print name)

My Commission expires 09/28/2011

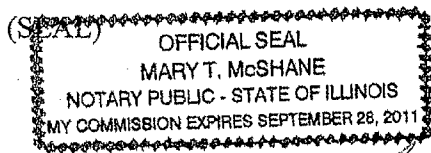
Inventor's Signature: *Dion Kwun Kit Leung*
Dion Kwun Kit Leung

State/Commonwealth
of ILLINOIS
County of DuPage

On this 12th day of August 2008, before me, the undersigned notary public, personally appeared Dion Kwun Kit Leung,

- ☒ personally known to me, or
☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Notary Public Mary T. McShane
Mary T. McShane (print name)
My Commission expires 09 / 28 / 2011

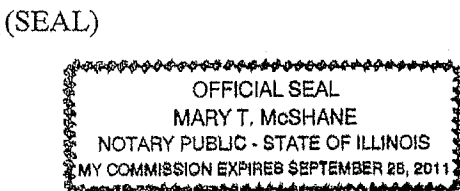
Inventor's Signature: *Kenneth M. Fisher*
Kenneth M. Fisher

State/Commonwealth
of ILLINOIS
County of DuPage

On this 8th day of August 2008, before me, the undersigned notary public, personally appeared Kenneth M. Fisher,

- ☒ personally known to me, or
☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



Notary Public Mary T. McShane
Mary T. McShane (print name)
My Commission expires 09 / 28 / 2011