

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Mr. Mark E. Boduch</td><td>11/02/2006</td></tr><tr><td>Kimón Papakos</td><td>12/04/2006</td></tr><tr><td>Mr. Gary M. Eslary</td><td>11/03/2006</td></tr><tr><td>Mr. John M. Golding</td><td>11/03/2006</td></tr></tbody></table>		Name	Execution Date	Mr. Mark E. Boduch	11/02/2006	Kimón Papakos	12/04/2006	Mr. Gary M. Eslary	11/03/2006	Mr. John M. Golding	11/03/2006		
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Tellabs Operations, Inc.</td></tr><tr><td>Street Address:</td><td>1415 West Diehl Road, MS 16</td></tr><tr><td>Internal Address:</td><td>Intellectual Property</td></tr><tr><td>City:</td><td>Naperville</td></tr><tr><td>State/Country:</td><td>ILLINOIS</td></tr><tr><td>Postal Code:</td><td>60563</td></tr></table>		Name:	Tellabs Operations, Inc.	Street Address:	1415 West Diehl Road, MS 16	Internal Address:	Intellectual Property	City:	Naperville	State/Country:	ILLINOIS	Postal Code:	60563
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (312)655-1501 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: (312) 655-1500													
Email: pmvdocket@welshkatz.com													
Correspondent Name: Paul M. Vargo													
Address Line 1: 120 South Riverside Plaza, 22nd Floor													
Address Line 2: Welsh & Katz, Ltd.													
Address Line 4: Chicago, ILLINOIS 60606-3912													
ATTORNEY DOCKET NUMBER:	8378/97677(0160) PB060024												
NAME OF SUBMITTER:	Paul M. Vargo												

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PATENT
REEL: 018588 FRAME: 0733

Total Attachments: 5

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PATENT

REEL: 018588 FRAME: 0734

Assignment

Serial No. 11/531,442

Filing Date: September 13, 2006

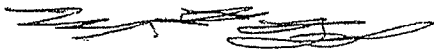
FOR good and valuable consideration, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in METHODS AND APPARATUS FOR OPTICAL NETWORKS and in the above-identified application for Letters Patent of the United States therefor, executed by the undersigned, of even date herewith, and in any continuation, division, reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to **TELLABS OPERATIONS, INC.**, a Delaware Corporation and the heirs, successors, legal representatives and assigns of Tellabs Operations, Inc. (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said consideration it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said consideration it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said consideration the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee.

It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said consideration, upon the request of said Assignee, to promptly perform all lawful acts

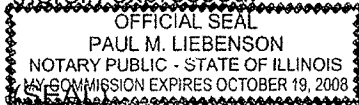
deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony.

The attorneys of record in such application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.


_____(Seal)
Mark E. Boduch

State of Illinois)
County of De Page) SS:

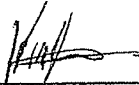
On November 2, 2006, Mark E. Boduch appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that he freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.





Notary Public

My Commission Expires: 10-19-2008

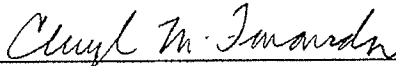


Kimon Papakos (Seal)

State of Illinois)
County of DuPage) SS:

On December 4, 2006, Kimon Papakos appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that he/she freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

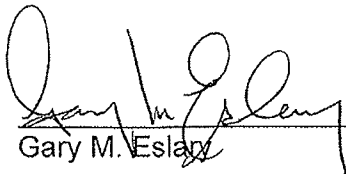
(SEAL)



Notary Public

My Commission Expires: 10/19/2008



 (Seal)
Gary M. Eslary

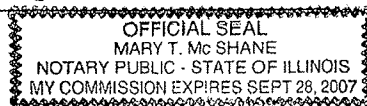
State of Illinois)
County of DuPage) SS:

On Nov. 3, 2006, 2006, Gary M. Eslary appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that he freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)


Notary Public

My Commission Expires: _____



John M. Golding (Seal)
John M. Golding

State of Illinois)
County of DuPage) SS:

On November 3, 2006, John M. Golding appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that he freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)

Mary T. McShane
Notary Public

OFFICIAL SEAL
MARY T. MC SHANE
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES SEPT 28, 2007

My Commission Expires: Sept. 28, 2007