

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>Massimo Manna</td><td>02/28/2005</td></tr><tr><td>Ekaterina A. Golovchenko</td><td>02/17/2005</td></tr><tr><td>Mark Enright</td><td>02/17/2005</td></tr></tbody></table>		Name	Execution Date	Massimo Manna	02/28/2005	Ekaterina A. Golovchenko	02/17/2005	Mark Enright	02/17/2005
Name	Execution Date								
Massimo Manna	02/28/2005								
Ekaterina A. Golovchenko	02/17/2005								
Mark Enright	02/17/2005								
RECEIVING PARTY DATA									
Name:	Tyco Telecommunications (US) Inc.								
Street Address:	60 Columbia Road								
City:	Morristown								
State/Country:	NEW JERSEY								
Postal Code:	07960								
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>11021726</td></tr></tbody></table>		Property Type	Number	Application Number:	11021726				
Property Type	Number								
Application Number:	11021726								
CORRESPONDENCE DATA									
Fax Number: (603)668-2970 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 603-668-6560									
Email: mboyd@gtp.com									
Correspondent Name: Donald J. Perreault									
Address Line 1: 55 South Commercial Street									
Address Line 2: Grossman, Tucker, Perreault & Pfleger									
Address Line 4: Manchester, NEW HAMPSHIRE 03101									
NAME OF SUBMITTER:	Donald J. Perreault								
Total Attachments: 3 source=TCM195 - Executed Assignment#page1.tif source=TCM195 - Executed Assignment#page2.tif source=TCM195 - Executed Assignment#page3.tif									

OP \$40.00 11021726

PATENT

500022885

REEL: 015754 FRAME: 0593

## **ASSIGNMENT**

WHEREAS we, the below named inventors, hereinafter referred to as Assignor(s), have made an invention entitled:

### **OPTICAL TRANSMISSION SYSTEM INCLUDING REPEATERED AND UNREPEATERED SEGMENTS**

executed on even date herewith and about to be filed in the United States Patent Office; or for which U.S. Patent Application Ser. 11/021,726 was filed on December 22, 2004;

WHEREAS, Tyco Telecommunications (US) Inc. a corporation of Delaware having a place of business at 60 Columbia Road, Morristown, NJ 07960 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for an in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right title and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, reexaminations, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect title to this invention in assignee, its successors and assigns, execute all divisional, continuation, continuation-in-part, reissue, and reexamination applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this Invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by assignee, its successors and assigns.

WITNESS my hand and seal this      day of 2, 28, 2005



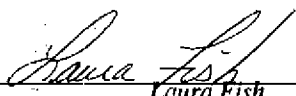
**Massimo Manna**

Address: 209B Eaton Crest Drive, Eatontown, NJ 07724

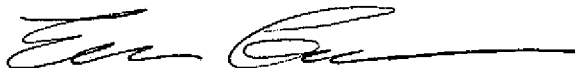
STATE OF New Jersey )  
COUNTY OF Monmouth ) SS.

Then personally appeared the above named Massimo Manna and acknowledged the foregoing instrument to be his free act and deed, before me, this 28<sup>th</sup> day of Feb., 2005.

SEAL

  
\_\_\_\_\_, Notary Public  
Laura Fish  
Notary Public  
State of New Jersey  
My Commission Expires On June 25, 2006

WITNESS my hand and seal this      day of 2, 17, 2005



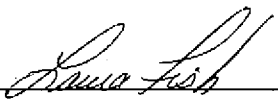
**Ekaterina A. Golovchenko**

Address: 7 Birch Lane, Colts Neck, NJ 07722

STATE OF New Jersey )  
COUNTY OF Monmouth ) SS.

Then personally appeared the above named Ekaterina A. Golovchenko and acknowledged the foregoing instrument to be her free act and deed, before me, this 17<sup>th</sup> day of Feb., 2005.

SEAL

  
\_\_\_\_\_, Notary Public  
Laura Fish  
Notary Public  
State of New Jersey  
My Commission Expires On June 25, 2006

WITNESS my hand and seal this 17 day of <sup>FEB</sup>~~10~~, 2005.



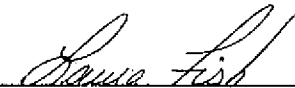
**Mark Enright**

Address: 10 Skylandway, Hampton, NJ 08827

STATE OF New Jersey )  
COUNTY OF Monmouth ) SS.

Then personally appeared the above named Mark Enright and acknowledged the foregoing instrument to be his free act and deed, before me, this 17<sup>th</sup> day of Feb., 2005.

SEAL

 , Notary Public

**Laura Fish**  
Notary Public  
State of New Jersey  
My Commission Expires On June 25, 2006