

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>Dmitriy I Kovsh</td><td>07/07/2008</td></tr><tr><td>Ekaterina A. Golovchenko</td><td>07/07/2008</td></tr><tr><td>Stuart M. Abbott</td><td>07/07/2008</td></tr></tbody></table>		Name	Execution Date	Dmitriy I Kovsh	07/07/2008	Ekaterina A. Golovchenko	07/07/2008	Stuart M. Abbott	07/07/2008		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Tyco Telecommunications (US) Inc.</td></tr><tr><td>Street Address:</td><td>60 Colombia Road</td></tr><tr><td>City:</td><td>Morristown</td></tr><tr><td>State/Country:</td><td>NEW JERSEY</td></tr><tr><td>Postal Code:</td><td>07960</td></tr></table>		Name:	Tyco Telecommunications (US) Inc.	Street Address:	60 Colombia Road	City:	Morristown	State/Country:	NEW JERSEY	Postal Code:	07960
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (603)668-2970 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email: dperreault@gtpp.com											
Correspondent Name: TCM/GTPP											
Address Line 1: 55 South Commercial Street											
Address Line 4: Manchester, NEW HAMPSHIRE 03101											
ATTORNEY DOCKET NUMBER:	TCM247										
NAME OF SUBMITTER:	Donald J. Perreault										
Total Attachments: 2 source=TCM247AssignmentAsFiled070908#page1.tif source=TCM247AssignmentAsFiled070908#page2.tif											

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REEL: 021211 FRAME: 0123

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ASSIGNMENT

WHEREAS, We, **Kovsh, Dmitriy I.**, residing at 450 Seventh Street, #3G, Hoboken, NJ 07030, **Golovchenko, Ekaterina A.**, residing at 7 Birch Lane, Colts Neck, NJ 07722, **Abbott, Stuart M.**, residing at 28 Rockwell Circle, Marlboro NJ 07746, made certain new and useful inventions and improvements for which application for Letters Patent of the United States is about to be filed, and is entitled:

Optical Add/Drop Multiplexer Including Reconfigurable Filters and System Including The Same

AND, WHEREAS, **Tyco Telecommunications (US) Inc.**, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 60 Columbia Road, Morristown, NJ 07960, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed under the Patent Cooperation Treaty, any regional patent offices and in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letter Patent for the aforesaid inventions and improvements to the

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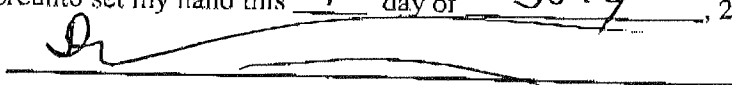
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said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

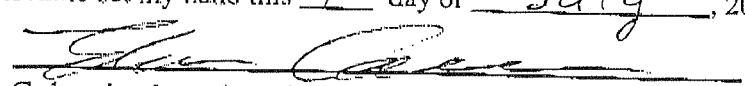
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

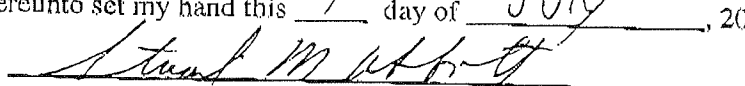
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of July, 2008.


Kovsh, Dmitriy I.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of July, 2008.


Golovchenko, Ekaterina A.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of July, 2008.


Abbott, Stuart M.