

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hongbin Zhang</td> <td>02/22/2011</td> </tr> <tr> <td>Jin-Xing Cai</td> <td>02/22/2011</td> </tr> <tr> <td>Yu Sun</td> <td>02/22/2011</td> </tr> <tr> <td>Carl R. Davidson</td> <td>02/22/2011</td> </tr> <tr> <td>Yi Cai</td> <td>02/21/2011</td> </tr> <tr> <td>Georg Heinrich Mohs</td> <td>02/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	Hongbin Zhang	02/22/2011	Jin-Xing Cai	02/22/2011	Yu Sun	02/22/2011	Carl R. Davidson	02/22/2011	Yi Cai	02/21/2011	Georg Heinrich Mohs	02/22/2011
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CORRESPONDENCE DATA															
<p>Fax Number: (603)668-2970</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6036686560</p> <p>Email: jhobbs@gtpp.com</p> <p>Correspondent Name: Grossman, Tucker, Perreault & Pfleger</p> <p>Address Line 1: 55 South Commercial Street</p> <p>Address Line 4: Manchester, NEW HAMPSHIRE 03101</p>															
ATTORNEY DOCKET NUMBER:	TCM276														
NAME OF SUBMITTER:	Donald J. Perreault														

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PATENT
REEL: 025939 FRAME: 0343

Total Attachments: 3

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ASSIGNMENT

WHEREAS, We, **Zhang, Hongbin; Cai, Jin-Xing; Sun, Yu; Davidson, Carl R.; Cai, Yi and Mohs, Georg Heinrich** made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States. We hereby authorize and request our attorneys, associated with Customer Number 80635, to insert on the designated lines below, the filing date and application number of said application when known. Said application was filed on 2/23/2011, as United States patent application serial number 13/032,982, and is entitled:

Generating Higher-Level Quadrature Amplitude Modulation (QAM) Using a Delay Line Interferometer and Systems and Methods Incorporating Same

AND, WHEREAS, **Tyco Electronics Subsea Communications LLC**, 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 412 Mt. Kemble Avenue, Suite 100S, 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 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;

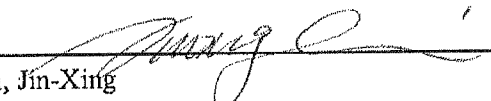
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of February, 2011.



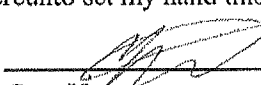
Zhang, Hongbin

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of February, 2011.



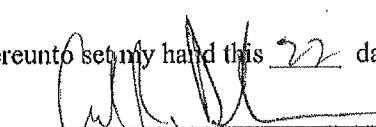
Cai, Jin-Xing

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of Feb., 2011.



Sun, Yu

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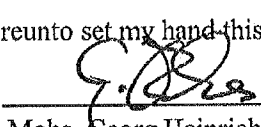
Davidson, Carl R.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21st day of Feb., 2011.



Cai, Yi

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of Feb., 2011.



Mohs, Georg Heinrich