

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>Ryan Hirth</td> <td>11/02/2012</td> </tr> <tr> <td>Mark Griswold</td> <td>11/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ryan Hirth	11/02/2012	Mark Griswold	11/02/2012				
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<table border="1"> <tr> <td>Name:</td> <td>BROADCOM CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>5300 California Avenue</td> </tr> <tr> <td>City:</td> <td>Irvine</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92617</td> </tr> </table>		Name:	BROADCOM CORPORATION	Street Address:	5300 California Avenue	City:	Irvine	State/Country:	CALIFORNIA	Postal Code:	92617
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CORRESPONDENCE DATA											
<p>Fax Number: 9498519348 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 9498510633 Email: mweipdocket@mwe.com Correspondent Name: McDermott Will & Emery LLP Address Line 1: 4 Park Plaza Address Line 2: Suite 1700 Address Line 4: Irvine, CALIFORNIA 92614</p>											
ATTORNEY DOCKET NUMBER:	090850-0030										
NAME OF SUBMITTER:	Andrew D. Mickelsen, Reg. No. 50,957										
<p>Total Attachments: 2 source=090850-0030_Assignmnet#page1.tif source=090850-0030_Assignmnet#page2.tif</p>											

CH \$40.00 13669272

Docket No.: 090850-0030

ASSIGNMENT

WHEREAS We, Ryan HIRTH of 318 Spring Beauty Ct., Windsor, California 95492, and Mark GRISWOLD of 151 Mary Beth Ct., Fremont, California 94539, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DATA RATE CONTROL IN AN OPTICAL LINE TERMINAL, which was filed on November 5, 2012, and identified by United States Patent Application No. 13/669,272, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and the application number of said application when known;

AND WHEREAS, BROADCOM CORPORATION, a corporation of California and having an address of 5300 California Avenue, Irvine, California 92617, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto Broadcom Corporation, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Broadcom Corporation, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

11/2/12
Date

Ryan Hirth
Ryan HIRTH

Date

Mark GRISWOLD

Docket No.: 090850-0030

ASSIGNMENT

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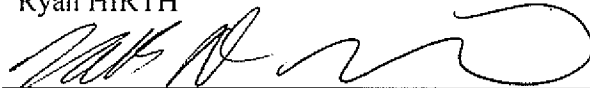
Date

Date

11/2/2012

Ryan HIRTH

Mark GRISWOLD



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RECORDED: 11/07/2012

PATENT
REEL: 029259 FRAME: 0516