

## 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>Xuemin Chen</td> <td>06/27/2013</td> </tr> <tr> <td>Yong Li</td> <td>06/27/2013</td> </tr> <tr> <td>Rajesh Shankarrao Mamidwar</td> <td>06/27/2013</td> </tr> <tr> <td>Hongtao Zhu</td> <td>07/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xuemin Chen	06/27/2013	Yong Li	06/27/2013	Rajesh Shankarrao Mamidwar	06/27/2013	Hongtao Zhu	07/03/2013
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RECEIVING PARTY DATA											
<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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PROPERTY NUMBERS Total: 1											
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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: 949-851-0633        Email: mlusian@mwe.com        Correspondent Name: McDermott Will &amp; Emery LLP        Address Line 1: 4 Park Plaza        Address Line 2: Suite 1700        Address Line 4: Irvine, CALIFORNIA 92614</p>											
ATTORNEY DOCKET NUMBER:	090850-0306										
NAME OF SUBMITTER:	Mark J. Itri, Reg. No. 36,171										
Signature:	/Mark J. Itri/										

PATENT

Date:

07/10/2013

**Total Attachments: 4**

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ASSIGNMENT

WHEREAS we, Xuemin CHEN of PMB 65, P.O. Box 5000, Rancho Santa Fe, California 92067; Yong LI of 8455 Run of the Knolls, San Diego, California 92127; Rajesh Shankarrao MAMIDWAR of 15246 Falcon Crest Court, San Diego, California 92127 and Hongtao ZHU of 3208 Corbal Court, San Jose, California 95148; have made a certain new and useful invention as set forth in an application for United States Patent, entitled DISTRIBUTED ADAPTIVE BIT RATE PROXY SYSTEM, which was filed on July 9, 2013, and identified by United States Patent Application No. 13/938,157, 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;

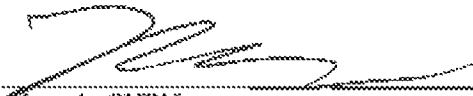
NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto Broadcom Corporation, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention 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 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;

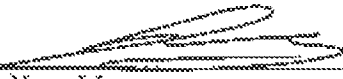
AND we request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Broadcom Corporation, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent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

Docket No.: 090850-0306

June 27, 2013  
Date

  
Xuemin CHEN

June 27, 2013  
Date

  
Yong LI

    
Date

Rajesh Shankarrao MAMIDWAR

    
Date

Hongtao ZHU

Docket No.: 090850-0306

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Xuemin CHEN

Date

Yong LI

06/27/13

*Rajesh Mamidwar*

Date

Rajesh Shankarrao MAMIDWAR

Date

Hongtao ZHU

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Xuemin CHEN

Date

Yong LI

Date

Rajesh Shankarrao MAMIDWAR

Date

7/3/2013

  
Hongtao ZHU