

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>Alexander Garland MACINNIS</td> <td>09/05/2013</td> </tr> <tr> <td>Rajesh Shankarrao MAMIDWAR</td> <td>09/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alexander Garland MACINNIS	09/05/2013	Rajesh Shankarrao MAMIDWAR	09/05/2013
Name	Execution Date						
Alexander Garland MACINNIS	09/05/2013						
Rajesh Shankarrao MAMIDWAR	09/05/2013						
RECEIVING PARTY DATA							
Name:	BROADCOM CORPORATION						
Street Address:	5300 California Avenue						
City:	Irvine						
State/Country:	CALIFORNIA						
Postal Code:	92617						
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>14020704</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14020704		
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Application Number:	14020704						
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Date:	09/17/2013						
Total Attachments: 2 source=090850-0309_Assignment#page1.tif source=090850-0309_Assignment#page2.tif							

CH \$40.00 14020704

Docket No.: 090850-0309

ASSIGNMENT

WHEREAS We, Alexander Garland MACINNIS of 285 Hawthorne Avenue, Los Altos, California 94022 and Rajesh Shankarrao MAMIDWAR of 15246 Falcon Crest Court, San Diego, California 92127, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADAPTIVE BIT RATE (ABR) STREAMING WITH SERVER SIDE ADAPTATION, which was filed on September 6, 2013, and identified by United States Patent Application No. 14/020,704, and I 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.

9/5/2013
Date


Alexander Garland MACINNIS

Date

Rajesh Shankarrao MAMIDWAR

Docket No.: 090850-0309

ASSIGNMENT

WHEREAS We, Alexander Garland MACINNIS of 285 Hawthorne Avenue, Los Altos, California 94022 and Rajesh Shankarrao MAMIDWAR of 15246 Falcon Crest Court, San Diego, California 92127, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADAPTIVE BIT RATE (ABR) STREAMING WITH SERVER SIDE ADAPTATION, which was filed on September 6, 2013, and identified by United States Patent Application No. 14/020,704, and I 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;

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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.

Date

09/05/13

Date

Alexander Garland MACINNIS

Rajesh Mamidwar

Rajesh Shankarrao MAMIDWAR