

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2695352

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>XAVIER JOSEP REVES BALLESTE</td> <td>11/19/2013</td> </tr> <tr> <td>YUE SUN</td> <td>11/27/2013</td> </tr> <tr> <td>MIGUEL PHILIPPE PAUL PEETERS</td> <td>11/19/2013</td> </tr> <tr> <td>ZACARIAS IRACHETA TODO</td> <td>11/19/2013</td> </tr> <tr> <td>TOBY EDWARD RALPH BAILEY</td> <td>12/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	XAVIER JOSEP REVES BALLESTE	11/19/2013	YUE SUN	11/27/2013	MIGUEL PHILIPPE PAUL PEETERS	11/19/2013	ZACARIAS IRACHETA TODO	11/19/2013	TOBY EDWARD RALPH BAILEY	12/02/2013
Name	Execution Date												
XAVIER JOSEP REVES BALLESTE	11/19/2013												
YUE SUN	11/27/2013												
MIGUEL PHILIPPE PAUL PEETERS	11/19/2013												
ZACARIAS IRACHETA TODO	11/19/2013												
TOBY EDWARD RALPH BAILEY	12/02/2013												
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>14086945</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14086945								
Property Type	Number												
Application Number:	14086945												
CORRESPONDENCE DATA													
Fax Number:	(949)851-9348												
Phone:	9498510633												
Email:	mlusian@mwe.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	MCDERMOTT WILL & EMERY LLP												
Address Line 1:	4 PARK PLAZA												
Address Line 2:	SUITE 1700												
Address Line 4:	IRVINE, CALIFORNIA 92614												
ATTORNEY DOCKET NUMBER:	090850-0439												
NAME OF SUBMITTER:	MARK J. ITRI, REG. NO. 36,171												

Signature:	/Mark J. Itri/
Date:	01/23/2014
Total Attachments: 6 source=090850-0439Assignment#page1.tif source=090850-0439Assignment#page2.tif source=090850-0439Assignment#page3.tif source=090850-0439Assignment#page4.tif source=090850-0439Assignment#page5.tif source=090850-0439Assignment#page6.tif	

Docket No.: 090850-0439

ASSIGNMENT

WHEREAS we, Xavier Josep REVES BALLESTE of Av. Mistral 22, Atic 3a, BCN08015 Barcelona, Spain; Yue SUN of Room 302, No. 46<sup>th</sup>, Lan 588, Jin Hui Road, 201103 Shanghai, China; Miguel Philippe Paul PEETERS of Clos Comte de Ferraris 14, 1150 Woluwe-Saint-Pierre, Belgium; Zacarias IRACHETA TODO of Rossello 350, Escalera Izquierda 5 3a, BCN08025 Barcelona, Spain; and Toby Edward Ralph BAILEY of Norwood, Peebles, Innerleithen EH44 6QZ, United Kingdom; have made a certain new and useful invention as set forth in an application for United States Patent, entitled COORDINATING TRANSMISSIONS OF POWER LINE COMMUNICATION (PLC) DEVICES, which was filed on November 21, 2013, and identified by United States Patent Application No. 14/086,945, 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 non-provisionals, 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, non-provisional, 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;

Docket No.: 090850-0439

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.

19th November 2013

Date

  
Xavier Josep REVES BALLESTE

Date

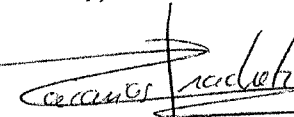
Yue SUN

Date

Miguel Philippe Paul PEETERS

19th November 2013

Date

  
Zacarias IRACHETA TODO

Date

Toby Edward Ralph BAILEY

Docket No.: 090850-0439

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

\_\_\_\_\_  
Xavier Josep REVES BALLESTE

\_\_\_\_\_  
Date

\_\_\_\_\_  
Yue SUN

\_\_\_\_\_  
Date

19/11/2013

\_\_\_\_\_  
*Miguel Philippe Paul Peeters*  
Miguel Philippe Paul PEETERS

\_\_\_\_\_  
Date

\_\_\_\_\_  
Zacarias IRACHETA TODO

\_\_\_\_\_  
Date

\_\_\_\_\_  
Toby Edward Ralph BAILEY

Docket No.: 090850-0439

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

\_\_\_\_\_  
Xavier Josep REVES BALLESTE

\_\_\_\_\_  
Date

\_\_\_\_\_  
Yue SUN

\_\_\_\_\_  
Date

\_\_\_\_\_  
Miguel Philippe Paul PEETERS

\_\_\_\_\_  
Date

\_\_\_\_\_  
Zacarias IRACHETA TODO

\_\_\_\_\_  
Date

02 / 12 / 2013

\_\_\_\_\_  
*T. E. R. Bailey*  
Toby Edward Ralph BAILEY

ASSIGNMENT

WHEREAS we, Xavier Josep REVES BALLESTE of Av. Mistral 22, Atic 3a, BCN08015 Barcelona, Spain; Yue SUN of Room 302, No. 46<sup>th</sup>, Lan 588, Jin Hui Road, 201103 Shanghai, China; Miguel Philippe Paul PEETERS of Clos Comte de Ferraris 14, 1150 Woluwe-Saint-Pierre, Belgium; Zacarias IRACHETA TODO of Rossello 350, Escalera Izquierda 5 3a, BCN08025 Barcelona, Spain; and Toby Edward Ralph BAILEY of Norwood, Peebles, Innerleithen EH44 6QZ, United Kingdom; have made a certain new and useful invention as set forth in an application for United States Patent, entitled COORDINATING TRANSMISSIONS OF POWER LINE COMMUNICATION (PLC) DEVICES, which was filed on November 21, 2013, and identified by United States Patent Application No. 14/086,945;

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 non-provisionals, 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, non-provisional, 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;

Docket No.: 090850-0439

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

\_\_\_\_\_  
Xavier Josep REVES BALLESTE

2013.11.27  
\_\_\_\_\_  
Date

孙.宇  
\_\_\_\_\_  
Yue SUN

\_\_\_\_\_  
Date

\_\_\_\_\_  
Miguel Philippe Paul PEETERS

\_\_\_\_\_  
Date

\_\_\_\_\_  
Zacarias IRACHETA TODO

\_\_\_\_\_  
Date

\_\_\_\_\_  
Toby Edward Ralph BAILEY