

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2609595

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>WALID NABHANE</td> <td>07/17/2013</td> </tr> <tr> <td>MARK D. RUTHERFORD</td> <td>07/19/2013</td> </tr> <tr> <td>NARAYAN PRASAD RAMACHANDRAN</td> <td>07/19/2013</td> </tr> <tr> <td>DAVID CHANG</td> <td>07/19/2013</td> </tr> <tr> <td>YI TING CHEN</td> <td>07/19/2013</td> </tr> <tr> <td>CHENMIN ZHANG</td> <td>09/17/2013</td> </tr> <tr> <td>AJMAL A. GODIL</td> <td>07/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	WALID NABHANE	07/17/2013	MARK D. RUTHERFORD	07/19/2013	NARAYAN PRASAD RAMACHANDRAN	07/19/2013	DAVID CHANG	07/19/2013	YI TING CHEN	07/19/2013	CHENMIN ZHANG	09/17/2013	AJMAL A. GODIL	07/19/2013
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CORRESPONDENCE DATA																	
Fax Number:	(770)951-0933																
Phone:	770-933-9500																
Email:	julie.campbell@thomashorstemeyer.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	THOMAS   HORSTEMEYER, LLP																
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Address Line 2:	SUITE 1500																
Address Line 4:	ATLANTA, GEORGIA 30339																
ATTORNEY DOCKET NUMBER:	050229-4920																
PATENT																	

OP \$40.00 13950762

NAME OF SUBMITTER:	JASON M. PERILLA
Signature:	/Jason M. Perilla/
Date:	11/11/2013
<p>Total Attachments: 7 source=01926690#page1.tif source=01926690#page2.tif source=01926690#page3.tif source=01926690#page4.tif source=01926690#page5.tif source=01926690#page6.tif source=01926690#page7.tif</p>	

**ASSIGNMENT OF UTILITY PATENT APPLICATION**

WHEREAS, the below undersigned inventor, hereinafter referred to as ASSIGNOR, has invented certain new and useful improvements ("Invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled "**CHARGER DETECTION AND OPTIMIZATION PRIOR TO HOST CONTROL**," which was executed on even date herewith, and/or filed with the United States Patent and Trademark Office (USPTO) on 07/25/2013, and assigned Application Number 13/950,762. In addition, if applicable, the Invention(s) are further described in U.S. Provisional Application No. 61/759,470, filed February 1, 2013; U.S. Provisional Application No. 61/833,598, filed June 11, 2013; U.S. Provisional Application No. 61/834,513, filed June 13, 2013; U.S. Provisional Application No. 61/836,327, filed June 18, 2013; U.S. Provisional Application No. 61/836,306, filed June 18, 2013; U.S. Provisional Application No. 61/836,895, filed June 19, 2013; U.S. Provisional Application No. 61/836,886, filed June 19, 2013; and U.S. Provisional Application No. 61/836,903, filed June 19, 2013.

WHEREAS, **BROADCOM CORPORATION** having a place of business at 5300 California Avenue, Irvine, California 92617-3038, hereinafter referred to as Assignee, is desirous of acquiring ASSIGNOR'S interest in and to said Invention(s), said utility application, said provisional application (if any), and/or any U.S. and foreign patents which are related to the same.

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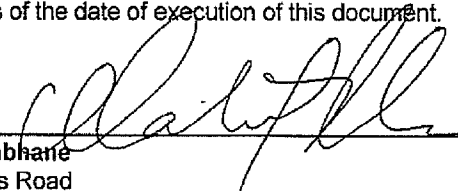
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Walid Nabhan  
44 Zellers Road  
Long Valley NJ 07853

07/17/13  
Date

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\_\_\_\_\_  
Mark D. Rutherford  
626 East County Road 70  
Wellington, CO 80549

7/19/2013  
\_\_\_\_\_  
Date

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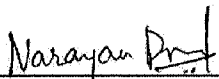
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Narayan Prasad Ramachandran  
#203, Block-II, "Green is the colour",  
3<sup>rd</sup> Main, 5<sup>th</sup> Cross, Bilekahalli Dollars' Scheme,  
BTM II Stage, Bangalore 560076, India

Date

JULY 19TH 2013

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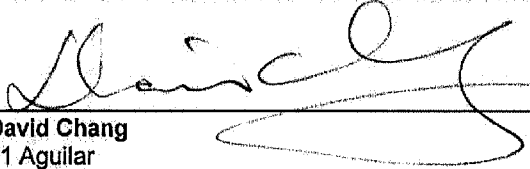
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David Chang  
21 Aguilar  
Irvine, CA 92614

Date 7/19/13

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Yi-Ting Chen  
Yi Ting Chen  
No.108, Wenhua Rd., Sanxia Dist.,  
New Taipei City 237, Taiwan

2013 / 7 / 19  
Date

TH Docket No: 050229-4920  
Broadcom No.: BU32195

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Chenmin Zhang  
141 Tapestry  
Irvine, CA 92603

Date

9/17/2013



**ASSIGNMENT OF UTILITY PATENT APPLICATION**

WHEREAS, the below undersigned inventor, hereinafter referred to as ASSIGNOR, has invented certain new and useful improvements ("Invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled "**CHARGER DETECTION AND OPTIMIZATION PRIOR TO HOST CONTROL**," which was executed on even date herewith, and/or filed with the United States Patent and Trademark Office (USPTO) on 07/25/2013, and assigned Application Number 13/950,762. In addition, if applicable, the Invention(s) are further described in U.S. Provisional Application No. 61/759,470, filed February 1, 2013; U.S. Provisional Application No. 61/833,598, filed June 11, 2013; U.S. Provisional Application No. 61/834,513, filed June 13, 2013; U.S. Provisional Application No. 61/836,327, filed June 18, 2013; U.S. Provisional Application No. 61/836,306, filed June 18, 2013; U.S. Provisional Application No. 61/836,895, filed June 19, 2013; U.S. Provisional Application No. 61/836,886, filed June 19, 2013; and U.S. Provisional Application No. 61/836,903, filed June 19, 2013.

WHEREAS, **BROADCOM CORPORATION** having a place of business at 5300 California Avenue, Irvine, California 92617-3038, hereinafter referred to as Assignee, is desirous of acquiring ASSIGNOR'S interest in and to said Invention(s), said utility application, said provisional application (if any), and/or any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, Assignor has sold, assigned and transferred and does hereby sell, assign and transfer unto Assignee, and Assignee's successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said Invention(s), said utility application, and said provisional application (if any), and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said Inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said Invention(s), said utility application, and said provisional application (if any) for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

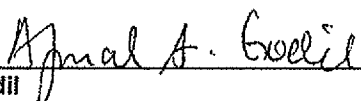
Assignor authorizes Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

Assignor hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application (if any) and to claim the aforesaid benefit of the right of priority.

Assignor requests that any and all patents for said Inventions be issued to Assignee in the U.S. and to Assignee in all countries foreign to the United States, or to such nominee as Assignee may designate.

Assignor covenants and agrees that, when requested, Assignor shall, without charge to Assignee but at Assignee's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said Invention(s), and for the defense and protection thereof if challenged in the court of law.

Assignor authorizes Assignee or its agents to insert, on Assignor's behalf, the filing date and/or Application Number above pertaining to the utility application and/or the provisional application (if any), if not known as of the date of execution of this document.

  
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Ajmal A. Godil  
11425 Raedene Way  
San Diego, CA 92131

7/19/13.  
\_\_\_\_\_  
Date