

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Kamesh MEDAPALLI</td> <td>05/22/2012</td> </tr> <tr> <td>Nelson SOLLENBERGER</td> <td>05/22/2012</td> </tr> <tr> <td>Conrad SMITH</td> <td>05/22/2012</td> </tr> <tr> <td>Karl PAULSEN</td> <td>05/21/2012</td> </tr> <tr> <td>John WALLEY</td> <td>05/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kamesh MEDAPALLI	05/22/2012	Nelson SOLLENBERGER	05/22/2012	Conrad SMITH	05/22/2012	Karl PAULSEN	05/21/2012	John WALLEY	05/22/2012
Name	Execution Date												
Kamesh MEDAPALLI	05/22/2012												
Nelson SOLLENBERGER	05/22/2012												
Conrad SMITH	05/22/2012												
Karl PAULSEN	05/21/2012												
John WALLEY	05/22/2012												
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		
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>13478955</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13478955								
Property Type	Number												
Application Number:	13478955												
CORRESPONDENCE DATA													
Fax Number:	(202)371-2540												
Phone:	202												
Email:	ymourtad@skgf.com, mbennett@skgf.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Sterne Kessler Goldstein & Fox, P.L.L.C.												
Address Line 1:	c/o Yasser M. Mourtada												
Address Line 2:	1100 New York Avenue, NW												
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005												
ATTORNEY DOCKET NUMBER:	2875.6730001												
NAME OF SUBMITTER:	Yasser M. Mourtada #61056												

OP \$40.00 13478955

**Total Attachments: 6**

source=2875.6730001 Assignment#page1.tif

source=2875.6730001 Assignment#page2.tif

source=2875.6730001 Assignment#page3.tif

source=2875.6730001 Assignment#page4.tif

source=2875.6730001 Assignment#page5.tif

source=2875.6730001 Assignment#page6.tif

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventors: **Kamesh MEDAPALLI, Nelson SOLLENBERGER, Conrad SMITH, Karl PAULSEN, and John WALLEY** hereby sell and assign to **Broadcom Corporation**, a corporation formed under the laws of California, whose mailing address is 5300 California Avenue, Irvine, CA 92617 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention known **Improving Quality of Service, Battery Lifetime, and Latency in Wireless Communication Devices**, for which application for patent in the United States of America has a filing date (herewith) (also known as United States Application No. (to be assigned)), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventors' certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 49579** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: May 22, 2012

Signature of Inventor:   
Kamesh MEDAPALLI

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Nelson SOLLENBERGER

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Conrad SMITH

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Karl PAULSEN

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
John WALLEY

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventors: **Kamesh MEDAPALLI, Nelson SOLLENBERGER, Conrad SMITH, Karl PAULSEN, and John WALLEY** hereby sell and assign to **Broadcom Corporation**, a corporation formed under the laws of California, whose mailing address is 5300 California Avenue, Irvine, CA 92617 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention known **Improving Quality of Service, Battery Lifetime, and Latency in Wireless Communication Devices**, for which application for patent in the United States of America has a filing date (herewith) (also known as United States Application No. (to be assigned)), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventors' certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.


The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.


The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 49579** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

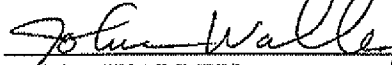
IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**Kamesh MEDAPALLI**

Date: 5-22-2012 Signature of Inventor:   
**Nelson SOLLENBERGER**

Date: 5-22-2012 Signature of Inventor:   
**Conrad SMITH**

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**Karl PAULSEN**

Date: 5-22-12 Signature of Inventor:   
**John WALLEY**

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned inventors: **Kamesh MEDAPALLI, Nelson SOLLENBERGER, Conrad SMITH, Karl PAULSEN, and John WALLEY** hereby sell and assign to **Broadcom Corporation**, a corporation formed under the laws of California, whose mailing address is 5300 California Avenue, Irvine, CA 92617 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention known **Improving Quality of Service, Battery Lifetime, and Latency in Wireless Communication Devices**, for which application for patent in the United States of America has a filing date (herewith) (also known as United States Application No. (to be assigned)), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventors' certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate

assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 49579** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**Kamesh MEDAPALLI**

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**Nelson SOLLENBERGER**

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**Conrad SMITH**

Date: 5-21-12 Signature of Inventor: \_\_\_\_\_  
**Karl PAULSEN**

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
**John WALLEY**

1534269\_1.DOC