

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>Jeyhan Karaoguz</td><td>05/05/2009</td></tr><tr><td>Jason A. Trachewsky</td><td>04/27/2009</td></tr><tr><td>Vinko Erceg</td><td>05/06/2009</td></tr><tr><td>Matthew James Fischer</td><td>04/27/2009</td></tr><tr><td>Christopher J. Hansen</td><td>04/27/2009</td></tr><tr><td>Saishankar Nandagopalan</td><td>05/06/2009</td></tr><tr><td>Murat Mese</td><td>05/04/2009</td></tr></tbody></table>		Name	Execution Date	Jeyhan Karaoguz	05/05/2009	Jason A. Trachewsky	04/27/2009	Vinko Erceg	05/06/2009	Matthew James Fischer	04/27/2009	Christopher J. Hansen	04/27/2009	Saishankar Nandagopalan	05/06/2009	Murat Mese	05/04/2009
Name	Execution Date																
Jeyhan Karaoguz	05/05/2009																
Jason A. Trachewsky	04/27/2009																
Vinko Erceg	05/06/2009																
Matthew James Fischer	04/27/2009																
Christopher J. Hansen	04/27/2009																
Saishankar Nandagopalan	05/06/2009																
Murat Mese	05/04/2009																
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>13305223</td></tr></tbody></table>		Property Type	Number	Application Number:	13305223												
Property Type	Number																
Application Number:	13305223																
CORRESPONDENCE DATA																	
Fax Number:	(888)762-9304																
Phone:	8172665717																
Email:	DWATSON@TEXASPATENTS.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:	GARLICK HARRISON & MARKISON																
Address Line 1:	P. O. Box 160727																
Address Line 4:	AUSTIN, TEXAS 78716-0727																
ATTORNEY DOCKET NUMBER:	BP20400C1																

OP \$40.00 13305223

501742591

PATENT
REEL: 027320 FRAME: 0001

NAME OF SUBMITTER:

Bruce E. Stuckman, Ph.D.

Total Attachments: 6

source=BP20400 ASSMT EXEC#page1.tif

source=BP20400 ASSMT EXEC#page2.tif

source=BP20400 ASSMT EXEC#page3.tif

source=BP20400 ASSMT EXEC#page4.tif

source=BP20400 ASSMT EXEC#page5.tif

source=BP20400 ASSMT EXEC#page6.tif

Utility Patent Appl. Serial No.: 12/436,879

Utility Patent Appl. Filing Date: 5/7/2009

Patent No.: _____

Patent Issue Date: _____

Country: _____

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignors", have invented a new and useful invention entitled:

**CONTROL DEVICE FOR ALLOCATING RESOURCES TO COMMUNICATION DEVICES THAT USE
DIFFERING PROTOCOLS AND METHODS FOR USE THEREWITH**

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith or that was filed with the United States Patent and Trademark Office on the 7th day of May, 2009. The Assignors believe himself/herself/themselves to be the original inventor(s) of the invention disclosed and claimed in the application for Letters Patent.

WHEREAS, The entity identified immediately below having a principal office and place of business as identified, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

Broadcom Corporation, a California Corporation
5300 California Avenue
Irvine, CA 92617

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, any and all provisional patent applications from which the application claims priority, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein

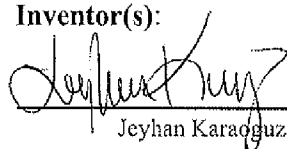
Docket No. BP20400

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):


Jeyhan Karaoguz 5/5/2009
Date

Jason A. Trachewsky

Date

Vinko Erceg

Date

Matthew James Fischer

Date

Christopher J. Hansen

Date

Saishankar Nandagopalan

Date

Murat Mese

Date

Date

Date

Date

Docket No. BP20400

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

_____ Jeyhan Karaoguz Date	_____ Jason A. Trachewsky Date
_____ Vinko Erceg Date	_____ Matthew James Fischer Date
_____ Christopher J. Hansen Date	_____ Saishankar Nandagopalan Date
_____ Murat Mese Date	_____ Date
_____ Date	_____ Date

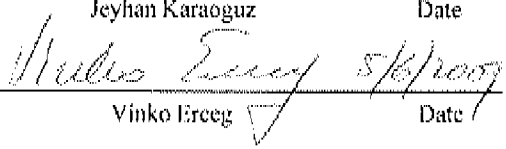
Docket No. BP20400

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

Jeyhan Karaoguz	Date	Jason A. Trachewsky	Date
	Date	Matthew James Fischer	Date
Vinko Erceg	Date	Saishankar Nandagopalan	Date
Christopher J. Hansen	Date		Date
Murat Mese	Date		Date
	Date		Date

Docket No. BP20400

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

Jeyhan Karaoguz Date

Jason A. Trachewsky Date

Vinko Erceg Date

Matthew James Fischer Date

Christopher J. Hansen Date

Sai Shankar 05/06/09
Saishankar Nandagopalan Date

Murat Mese Date

Date

Date

Date

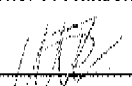
Docket No. BP20400

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patent) when officially known, if applicable.

Inventor(s):

_____ Jeyhan Karaoguz	_____ Date	_____ Jason A. Trachewsky	_____ Date
_____ Vinko Erceg	_____ Date	_____ Matthew James Fischer	_____ Date
_____ Christopher J. Hansen	_____ Date	_____ Saishankar Nandagopalan	_____ Date
_____  Murat Mese	_____ 05/03/09 Date	_____ _____ Date	_____ _____ Date
_____ _____ Date	_____ _____ Date	_____ _____ Date	_____ _____ Date