PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEYHAN KARAOGUZ	03/21/2008
(SHERMAN) XUEMIN CHEN	03/10/2008
MICHAEL DOVE	03/27/2008
DAVID ROSMANN	03/26/2008
THOMAS J. QUIGLEY	07/01/2008
STEPHEN ELLIOTT GORDON	06/02/2008

RECEIVING PARTY DATA

Name:	BROADCOM CORPORATION
Street Address:	5300 CALIFORNIA AVENUE
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92617

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14594811

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: GARLICK & MARKISON

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AUSTIN, TEXAS 78716

ATTORNEY DOCKET NUMBER:	BP7078C1
NAME OF SUBMITTER:	BRUCE E. STUCKMAN
SIGNATURE:	/Bruce E. Stuckman/
DATE SIGNED:	04/20/2015

Total Attachments: 7

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Docket No. BP7078

U.S. Utility Patent Appl. Serial No.:	12/190,024
U.S. Utility Patent Appl. Filing Date:	8-12-2008
U.S. Patent No.:	
U.S. Patent Issue Date:	

ASSIGNMENT

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

VIDEO TRANSMISSION SYSTEM HAVING UNICAST AND MULTICAST MODES 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 \(\lambda \frac{1}{2} \frac{1}{2}

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

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):	3/21/08		
Jewhan Karaoguz	Date	Sherman (Xuemin) Chen	Date
Michael Dove	Date	David Rosmann	Date
Thomas J. Quigley	Date	Stephen Elliott Gordon	Date
	Date		Date
	Date		Date

Docket No. BP7078

BROADCOM CORPORATION

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Inventor(s):			
			3/6/
Jeyhan Karaoguz	Date	Sherman (Xuemin) Chen	Date
Michael Dove	Date	David Rosmann	Date
Thomas J. Quigley	Date	Stephen Elliott Gordon	Date
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Inventor(s):

Jeyhan Karaogua	Date	Sherman (Xuemin) Chen	Date
Ill 9	5/27/08		
Michael Dove	Date	David Rosmann	Date
Thomas J. Quigley	Date	Stephen Elliott Gordon	Date
A A A A A A A A A A A A A A A A A A A	Date		Date
	Date		Date

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Inventor(s):

Jeyhan Karaoguz	 Date	Sherman (Xuemin) Chen	Date
		TM)-	3/26/08
Michael Dove	Date	David Rosmann	Date
Thomas J. Quigley	Date	Stephen Elliott Gordon	Date
	Date		Date
	Date		Date

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Inventor(s):

Jeyhan Karaoguz Date Sherman (Xuemin) Chen Date Michael Dove Date David Rosmann Date Thomas J. Quigley Date Stephen Elliott Gordon Date Date Date Date

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Inventor(s):

for said invention in all countries.

Jeyhan Karaoguz	Date	Sherman (Xuemin) Chen	Date
Michael Dove	Date	David Rosmapn	Date
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Thomas J. Quigley	Date	Stephen Elliott Gordon	Date
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PATENT REEL: 035445 FRAME: 0193

RECORDED: 04/20/2015