

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5898743

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SPELLING OF INVENTOR HONGYUAN ZHANG'S NAME previously recorded on Reel 047445 Frame 0026. Assignor(s) hereby confirms the ASSIGNMENT.	
RESUBMIT DOCUMENT ID:	505642960	
CONVEYING PARTY DATA		
	Name	Execution Date
	XIAYU ZHENG	10/12/2018
	HONGYUAN ZHANG	08/08/2019
	SUDHIR SRINIVASA	10/12/2018
RECEIVING PARTY DATA		
Name:	MARVELL SEMICONDUCTOR, INC.	
Street Address:	5488 MARVELL LANE	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16163167
CORRESPONDENCE DATA		
Fax Number:	(208)975-6667	
<i>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.</i>		
Phone:	2088133905	
Email:	jared@colbynipper.com	
Correspondent Name:	COLBY NIPPER - MARVELL	
Address Line 1:	291 E. SHORE DRIVE	
Address Line 2:	SUITE 200	
Address Line 4:	EAGLE, IDAHO 83616	
ATTORNEY DOCKET NUMBER:	MP10445	
NAME OF SUBMITTER:	MICHAEL K. COLBY, REG#45,816	
SIGNATURE:	/Michael K. Colby/	
DATE SIGNED:	01/07/2020	
Total Attachments: 5		

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5225904

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIAYU ZHENG	10/12/2018
HONGYUAN ZHENG	10/12/2018
SUDHIR SRINIVASA	10/12/2018
RECEIVING PARTY DATA	
Name:	MARVELL SEMICONDUCTOR, INC.
Street Address:	5488 MARVELL LANE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16163167
CORRESPONDENCE DATA	
Fax Number:	(408)222-2755
<i>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.</i>	
Phone:	408-222-2500
Email:	kimberly@marvell.com
Correspondent Name:	KELVIN VIVIAN
Address Line 1:	5488 MARVELL LANE
Address Line 4:	SANTA CLARA, CALIFORNIA 95054
ATTORNEY DOCKET NUMBER:	MP10445
NAME OF SUBMITTER:	KELVIN VIVIAN
SIGNATURE:	/Kelvin Vivian/
DATE SIGNED:	11/07/2018
Total Attachments: 2	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of us, the undersigned,

Xiayu Zheng, Hongyuan Zhang, Sudhir Srinivasa

who have created a certain invention for which an application for United States Letters Patent was filed on October 17, 2018, accorded Serial Number 16/163,167 herewith and entitled:

Apparatus and Methods for Interference Cancellation in Multi-Antenna Receivers

Does hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 5488 Marvell Lane, Santa Clara, CA 95054, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;


Does hereby further sell, assign and transfer to Marvell Semiconductor, Inc., its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Applications(s) No(s). 62/630,120, filed February 13, 2018, entitled Multi-Antenna Receiver with Interference Cancellation, and to any and all inventions described in said provisional patent application(s) for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be entitled to the benefit thereof in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF we have hereunto set our signatures on the date(s) indicated below.

Full Name of First Inventor:	
Xiayu Zheng	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor: Hongyuan Zhang	
Inventor's Signature: 	Date: Month/Day/Year 8/8/2019

Full Name of Third Inventor: Sudhir Srinivasa	
Inventor's Signature:	

Accepted on behalf of:

MARVELL SEMICONDUCTOR, INC.

By: 

Name: Kelvin Vivian

Title: Director, Assistant General Counsel, IP Development

Date: August 12, 2019

ASSIGNMENT

For great and valuable consideration, the receipt of which is hereby acknowledged, each of us, the undersigned,

Xiayu Zheng, Hongyuan Zheng, Sudhik Schivvaga

who have created a certain invention for which an application for United States Letters Patent was executed by each of us concurrently herewith and entitled:

APPARATUS AND METHODS FOR INTERFERENCE CANCELLATION IN MULTI-ANTENNA RECEIVERS

Does hereby sell, assign and transfer to Murvell Semiconductor, Inc., a corporation of California, having a place of business at 5478 Marvell Lane, Santa Clara, CA 95054, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions, and all foreign countries, and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts and treaties, including all future conventions, unions, agreements, acts and treaties;

Does hereby further sell, assign and transfer to Murvell Semiconductor, Inc., its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Application(s) No(s). 62/701,201 filed February 13, 2018, entitled MULTI-ANTENNA RECEIVER WITH INTERFERENCE CANCELLATION, and to any and all inventions described in said provisional patent application(s) for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be entitled to the benefit thereof in the United States, its territorial possessions and all foreign countries, and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts and treaties, including all future conventions, unions, agreements, acts and treaties.

Agrees that Murvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries, and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful claims, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF we have hereunto set our signatures on the dates indicated below

Full Name of First Inventor:

Xiayu Zheng

Inventor's Signature:

Date: Month/Day/Year

12/12/2018

Docket#: MPI0445

PATENT

Full Name of Second Inventor:

Hongyuan Zhang

Inventor's Signature:



Date: Month/Day/Year

10/12/18

Full Name of Third Inventor:

Sudhir Senuvasa

Inventor's Signature:



10/12/2018

Accepted on behalf of:

MARVELL SEMICONDUCTOR, INC.

By:



Name: Kelvin Vivian

Title: Director, Intellectual Property

Date:

15 OCTOBER 2018

PATENT