

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5016395

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DERWIN W MATTOS	05/17/2018
GODWIN GERALD ARULAPPAN	05/17/2018
SYED BABAR RAZA	05/17/2018
ANUP NAYAK	05/17/2018
VENKAT MANDAGULATHUR	05/17/2018
SUMEET GUPTA	06/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Cypress Semiconductor Corporation
<b>Street Address:</b>	198 Champion Court
<b>City:</b>	San Jose
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15983596
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)545-6911
<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>	
<b>Phone:</b>	408-943-6878
<b>Email:</b>	patents@cypress.com, aaaf@cypress.com
<b>Correspondent Name:</b>	CYPRESS SEMICONDUCTOR CORPORATION
<b>Address Line 1:</b>	198 CHAMPION COURT
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134
<b>ATTORNEY DOCKET NUMBER:</b>	CD18018
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER JORDAN
<b>SIGNATURE:</b>	/Christopher Jordan/
<b>DATE SIGNED:</b>	06/20/2018
<b>Total Attachments: 5</b>	

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**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: CD18018

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Derwin Mattos, Godwin Gerald Arulappan,

Syed Raza, Anup Nayak, Sumeet Gupta, and Venkat Mandaqulathur

hereby sell, assign, and transfer to Cypress Semiconductor Corporation

a corporation of Delaware  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

having a principal place of business at 198 Champion Court, San Jose, California 95134-1709

("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

**PROGRAMMABLE VBUS DISCHARGE IN USB POWER DELIVERY**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number \_\_\_\_\_ filed \_\_\_\_\_,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and 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.

Each inventor: Please Sign and Date Below:

May 17, 2018  
Date

*Derwin W. Mattos*  
Signature

Derwin Mattos

Printed/Typed Name

17<sup>th</sup> MAY, 2018  
Date

*A. J. Gerald*  
Signature

Godwin Gerald Arulappan

Printed/Typed Name

May 17, 2018  
Date

*Syed Raza*  
Signature

Syed Raza

Printed/Typed Name

Assignment Document Return Address:  
CYPRESS SEMICONDUCTOR CORPORATION  
198 Champion Court  
San Jose, CA 95134  
(408) 545-7194

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Each inventor: Please Sign and Date Below:

05/17 / 2018  
Date

Anup Nayak  
Signature

Anup Nayak

Printed/Typed Name

\_\_\_\_\_/ 20\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Sumeet Gupta

Printed/Typed Name

05/17 / 2018  
Date

M. P. Venkat  
Signature

Venkat Mandagulathur

Printed/Typed Name

Assignment Document Return Address:  
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198 Champion Court  
San Jose, CA 95134  
(408) 545-7194

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hereby sell, assign, and transfer to Cypress Semiconductor Corporation

a corporation of Delaware  
(Type of Assignee: e.g., corporation, company, partnership, university, etc.)

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**PROGRAMMABLE GATE DRIVER CONTROL IN USB POWER****DELIVERY**

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 15/983,895 filed 5/18/2018

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and 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.

Each Inventor: Please Sign and Date Below:

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Derwin Mattos  
\_\_\_\_\_  
Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Hamid Khodabandehlou  
\_\_\_\_\_  
Printed/Typed Name

15<sup>th</sup> JUNE, 2018  
Date Signature  
Sumeet Gupta  
\_\_\_\_\_  
Printed/Typed Name

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