

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

EPAS ID: PAT5669158

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHENQING FANG	10/12/2016
CHUN CHEN	10/12/2016
UNSOON KIM	10/12/2016
MARK RAMSBEY	10/18/2016
KUO TUNG CHANG	10/12/2016
SAMEER HADDAD	10/12/2016
JAMES PAK	10/12/2016
<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>	16517393
<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>	danp@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>	SPN12030C1CIP1C2
<b>NAME OF SUBMITTER:</b>	STOYCHO D. DRAGANOFF
<b>SIGNATURE:</b>	/StoychoDDraganoff#56181/
<b>DATE SIGNED:</b>	08/14/2019

**Total Attachments: 6**

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**ASSIGNMENT OF PATENT APPLICATION**

Attorney Docket No.: SPN12030C1CIB

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Shengqing Fang, Chun Chen, Unsoon Kim, Mark Ramsbey, Kuo Tung Chang, Sameer Haddad, James Pak

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

Memory First Process Flow and Device

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.]

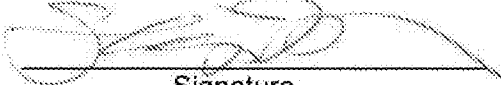
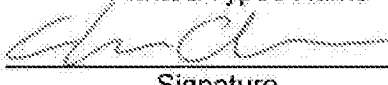
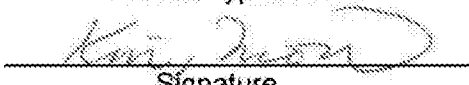
United States Patent Application Number 15/281,010 filed Sept. 29, 2016

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:**

<u>10/12/2016</u> , 20 Date	 Signature
	Shengqing Fang Printed/Typed Name
<u>10/12/2016</u> , 20 Date	 Signature
	Chun Chen Printed/Typed Name
<u>10/12/2016</u> , 20 Date	 Signature
	Unsoon Kim 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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Each Inventor: Please Sign and Date Below:

10/18, 2016  
Date

Mark E Ramsbey  
Signature

Mark Ramsbey

Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Kuo Tung Chang

Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Sameer Haddad

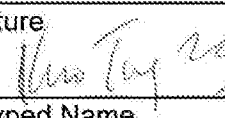
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**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Mark Ramsbey  
\_\_\_\_\_  
Printed/Typed Name

10/12, 2016  
Date Signature  
Kuo Tung Chang   
\_\_\_\_\_  
Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Sameer Haddad  
\_\_\_\_\_  
Printed/Typed Name

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**Each Inventor: Please Sign and Date Below:**

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Mark Ramsbey  
\_\_\_\_\_  
Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date Signature  
Kuo Tung Chang  
\_\_\_\_\_  
Printed/Typed Name


*07/12*, 20*16*  
Date Signature  
*Sameer Haddad*  
\_\_\_\_\_  
Printed/Typed Name

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**Each Inventor: Please Sign and Date Below:**

Oct 12, 2016  
Date

  
Signature  
James Pak  
Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed/Typed Name

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed/Typed Name

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