

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| 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 |
| RECEIVING PARTY DATA | |
| Name: | CYPRESS SEMICONDUCTOR CORPORATION |
| Street Address: | 198 CHAMPION COURT |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95134-1709 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15281010 |
| CORRESPONDENCE DATA | |
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| <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> | |
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| ATTORNEY DOCKET NUMBER: | SPN12030C1CIP1 |
| NAME OF SUBMITTER: | WILLIAM NUTTLE |
| SIGNATURE: | /William Nuttle/ |
| DATE SIGNED: | 10/19/2016 |

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, Shengqiang 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:

10/12/2016, 20____
Date


Signature

Shengqing Fang

Printed/Typed Name

10/12/2016, 20____
Date


Signature

Chun Chen

Printed/Typed Name

10/12/2016, 20____
Date


Signature

Unsoon Kim

Printed/Typed Name

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198 Champion Court
San Jose, CA 95134
(408) 545-7194

Each Inventor: Please Sign and Date Below:

REEL: 040062 FRAME: 0479

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

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

Oct 12, 20*16* *Sameer Haddad*
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Sameer Haddad

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Each Inventor: Please Sign and Date Below:

Oct 12 2016 [Signature]
Date Signature
James Pak
Printed/Typed Name

____ 20____ _____
Date Signature

Printed/Typed Name

____ 20____ _____
Date Signature

Printed/Typed Name

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