

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Suhail Zain</td> <td>06/26/2012</td> </tr> <tr> <td>Helmut Puchner</td> <td>07/02/2012</td> </tr> <tr> <td>Walt Anderson</td> <td>06/26/2012</td> </tr> <tr> <td>Karthik Navalpakam</td> <td>06/27/2012</td> </tr> </tbody> </table>	Name	Execution Date	Suhail Zain	06/26/2012	Helmut Puchner	07/02/2012	Walt Anderson	06/26/2012	Karthik Navalpakam	06/27/2012	
Name	Execution Date										
Suhail Zain	06/26/2012										
Helmut Puchner	07/02/2012										
Walt Anderson	06/26/2012										
Karthik Navalpakam	06/27/2012										
RECEIVING PARTY DATA											
Name:	Cypress Semiconductor Corporation										
Street Address:	198 Champion Court										
City:	San Jose										
State/Country:	CALIFORNIA										
Postal Code:	95134										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	13537877										
CORRESPONDENCE DATA											
Fax Number:	(408)545-6962										
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Email:	pbj@cypress.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	CYPRESS SEMICONDUCTOR CORPORATION										
Address Line 1:	198 CHAMPION COURT										
Address Line 4:	SAN JOSE, CALIFORNIA 95134-1709										
ATTORNEY DOCKET NUMBER:	CD12006										
NAME OF SUBMITTER:	Bradley T. Sako										
Total Attachments: 4 source=CD12006_Assignment_to_file_signed_ALL#page1.tif source=CD12006_Assignment_to_file_signed_ALL#page2.tif source=CD12006_Assignment_to_file_signed_ALL#page3.tif source=CD12006_Assignment_to_file_signed_ALL#page4.tif											

OP \$40.00 13537877

ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: CD12006

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, Suhail Zain, Helmut Puchner, Walt Anderson
and Karthik Navalpakam,

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 CONTROLLER DEVICES, SYSTEMS AND METHODS FOR
HIGH RELIABILITY MEMORY DEVICES

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 13/537,877 filed 29 June 2012,

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:

6/26/12, 2012
Date

Suhail Zain
Signature

Suhail Zain

Printed/Typed Name

_____, 2012
Date

Signature

Helmut Puchner

Printed/Typed Name

6/26/12, 2012
Date

Walt Anderson
Signature

Walt Anderson

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:

27th June 20¹²
Date

Karthik N. S.
Signature

Karthik Navalpakam

Printed/Typed Name

_____, 20____
Date

Signature

Printed/Typed Name

_____, 20____
Date

Signature

Printed/Typed Name

Assignment Document Return Address:
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San Jose, CA 95134
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Each Inventor: Please Sign and Date Below:

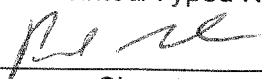
_____, 20¹²
Date

Signature

Suhail Zain

Printed/Typed Name

7/2, 20¹²
Date


Signature

Helmut Puchner

Printed/Typed Name

_____, 20¹²
Date

Signature

Walt Anderson

Printed/Typed Name

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