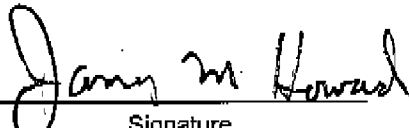


Based on FORM PTO-1595 (Rev. 08/05)  
as modified by Blakely, Sokoloff, Taylor & Zafman (wlr) 11/30/2005

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3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>03/27/2008; 07/16/2008; 03/27/2008</u>	4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;">               A. Patent Application No.(s)  <b>12/080,175</b> </td> <td style="width: 50%; border: none; vertical-align: top;">               B. Patent No.(s)             </td> </tr> </table> Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	A. Patent Application No.(s) <b>12/080,175</b>	B. Patent No.(s)
A. Patent Application No.(s) <b>12/080,175</b>	B. Patent No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>Blakely, Sokoloff, Taylor &amp; Zafman LLP</u> Internal Address: _____ Street Address: <u>1279 Oakmead Parkway</u>  City: <u>Sunnyvale</u> State: <u>CA</u> ZIP: <u>94085</u> Phone Number: <u>(503) 439-8778</u> Fax Number: <u>(503) 439-6073</u> E-mail Address: <u>james_howard@bstz.com</u>	6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 2px;">1</span>  7. Total Fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit Account Number: <u>02-2666</u> (Attach duplicate copy of this page if paying by deposit account)		
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<b>James M. Howard</b> _____ Name of Person Signing	 _____ Signature		
July 24, 2008 _____ Date			
Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">5</span>			

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Docket No. 16820P578

700379226

**PATENT**  
**REEL: 021298 FRAME: 0073**

CH \$40.00 022666 12080175

Attorney's Docket No.: 16820P578

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Krishnaswamy Ramkumar; Sagy Levy; Jeong Byun**

hereby sell, assign, and transfer to

**Cypress Semiconductor Corporation**

a Corporation of Delaware, having a principal place of business at 198 Champion Court, San Jose, California 95134-1709 US ("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

### **PLASMA OXIDATION OF A MEMORY LAYER TO FORM A BLOCKING LAYER IN NON-VOLATILE CHARGE TRAP 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 12/080,175 filed March 31, 2008.

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 legal 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 legal 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:

3/22/08 Kr  
Date Name: Krishnaswamy Ramkumar

Date Name: Sagy Levy

3/29/08 J.S. Byun  
Date Name: Jeong Byun

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
Telephone: (503) 439-8778

Attorney's Docket No.: 16820P578

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**Krishnaswamy Ramkumar; Sagy Levy; Jeong Byun**

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### **PLASMA OXIDATION OF A MEMORY LAYER TO FORM A BLOCKING LAYER IN NON-VOLATILE CHARGE TRAP MEMORY DEVICES**

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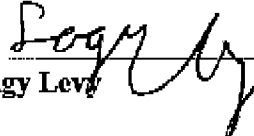
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute 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;

I/we 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 legal 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 legal 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:

Date \_\_\_\_\_ Name: **Krishnaswamy Ramkumar**

7/16/2008  
Date \_\_\_\_\_ Name: **Sagy Levi** 

Date \_\_\_\_\_ Name: **Jeong Byun**

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

Date \_\_\_\_\_ Name: \_\_\_\_\_

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