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1. Name of conveying party(ies): John J. Silver  
Iulian C. Gradinariu  
Bogdan I. Georgescu  
Additional names(s) of conveying party(ies) attached? **Yes**

2. Name and address of receiving party(ies):  
Name: Cypress Semiconductor Corporation  
Internal Address: \_\_\_\_\_  
Street Address: 3901 North First Street  
City: San Jose State: CA ZIP: 95134  
Additional name(s) & address(es) attached? **No**

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Execution Date: December 15, 1999

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: December 15, 1999  
A. Patent Application No(s). \_\_\_\_\_  
B. Patent No(s). \_\_\_\_\_

09/461632

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **CHRISTOPHER P. MAIORANA, P.C.**  
Internal Address:  
Street Address: **21643 E. NINE MILE RD., SUITE A**  
City: **ST. CLAIR SHORES** State: **MI** ZIP: **48080**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) **\$40.00**  
 Enclosed  
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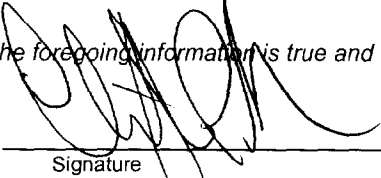
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Christopher P. Maiorana  December 15, 1999  
Reg. No.: 42,829 Signature Date

Total number of pages including cover sheet, attachments, and document: **6**

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PATENT  
REEL: 010465 FRAME: 0086

Additional names of conveying party(ies)

Keith A. Ford  
Sean B. Mulholland  
Danny L. Rose

Case No. 0325.00268

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**ASSIGNMENT**

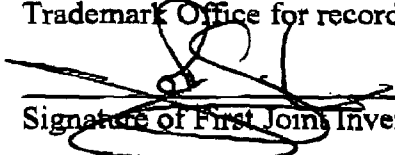
In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, we, **JOHN J. SILVER, IULIAN C. GRADINARIU, BOGDAN I. GEORGESCU, KEITH A. FORD, SEAN B. MULHOLLAND and DANNY L. ROSE**, hereby sell, assign and transfer to CYPRESS SEMICONDUCTOR CORPORATION (hereinafter referred to as "ASSIGNEE"), having a place of business at 3901 N. First Street, San Jose, California 95134, the full and exclusive right title and interest in and to any and all improvements disclosed in the application for United States Patent entitled "**BLOCK REDUNDANCY IN ULTRA LOW POWER MEMORY CIRCUITS**", filed on \_\_\_\_\_ and having Serial No. \_\_\_\_\_, any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof, all rights of priority resulting from the filing of said application, and any and all Letters Patents which issue from said application, together with all claims for damages by reason of past infringement of said patent and with the right to sue for and collect the same;

We hereby authorize and request the Officials of the United States Patent and Trademark Office and of any and all foreign Patent Offices to issue and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted;

On request, We agree to execute all oaths, declarations, assignments, powers of attorney and other papers related to said application and any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof; communicate to said ASSIGNEE, its successors, assigns and representatives all facts known to me concerning said improvements and the history thereof; and generally do everything possible to assist and aid said ASSIGNEE in obtaining, securing and maintaining patent protection for said improvements and for vesting title to said improvements and any and all applications for and patents on said improvements in said ASSIGNEE, its successors and assigns;

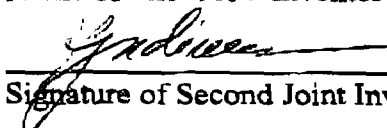
We have made no previous assignment, grant, mortgage, license or other agreement to or with others affecting the rights and property conveyed herein; and

We hereby grant to the firm of CHRISTOPHER P. MAIORANA, P.C. located at 21643 East Nine Mile Road, Suite A, St. Clair Shores, Michigan 48080, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

  
\_\_\_\_\_  
Signature of First Joint Inventor

Date: 12/15/99

John J. Silver  
Name of First Joint Inventor

  
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Date: 12/15/99

Iulian C. Gradinariu  
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Bogdan I. Georgescu  
Name of Third Joint Inventor

Keith A. Ford  
Signature of Fourth Joint Inventor

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Sean B. Mulholland  
Signature of Fifth Joint Inventor

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Danny L. Rose  
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