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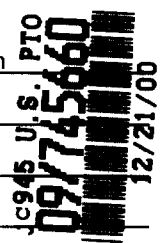
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Bertrand J. Williams
Kamal Dalmia
Terry D. Little and Timothy D. Jordan
Additional names(s) of conveying party(ies) attached? **No**

12-21-00

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**



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: December 19, 2000 and December 20, 2000

4. Application number(s) or patent number(s): 09/745660
If this document is being filed together with a new application, the execution date of the application is: December 21, 2000
A. Patent Application No(s).
B. Patent No(s).
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: 24025 GREATER MACK, SUITE 200
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
 Authorized to be charged to deposit account if necessary
8. Deposit Account Number: 50-0541
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9. Statement and signature.
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
Reg. No.: 42,829
Signature
December 21, 2000
Date
Total number of pages including cover sheet, attachments, and document: 5

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ASSIGNMENT

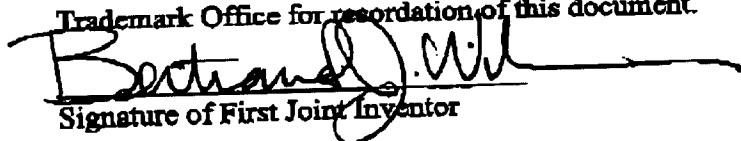
In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, we, **BERTRAND J. WILLIAMS, KAMAL DALMIA, TERRY EITTLE and TIMOTHY JORDAN**, hereby sell, assign and transfer to CYPRESS SEMICONDUCTOR CORPORATION (hereinafter referred to as "ASSIGNEE"), having a place of business 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 "**LINEARIZED DIGITAL PHASE-LOCKED LOOP**", 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 24025 Greater Mack, Suite 200, 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: 12/19/2000

Bertrand J. Williams
Name of First Joint Inventor

Date: _____

Signature of Second Joint Inventor

Kamal Dalmia
Name of Second Joint Inventor

0325.00386

Page 1 of 2

ASSIGNMENT

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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;

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Date: _____

Signature of First Joint Inventor

Bertrand J. Williams
Name of First Joint Inventor

Kamal Dalmia
Signature of Second Joint Inventor

Date: 12/20/00

Kamal Dalmia
Name of Second Joint Inventor

0325.00386
Page 2 of 2

Terry Little
Signature of Third Joint Inventor

Date: 12/20/2000

Terry Little
Name of Third Joint Inventor

Timothy D. Jordan
Signature of Fourth Joint Inventor

Date: 12/20/2000

Timothy Jordan
Name of Fourth Joint Inventor

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<p>1. Name of conveying party(ies): Bertrand J. Williams Kamal Dalmia Terry D. Little and Timothy D. Jordan Additional names(s) of conveying party(ies) attached? No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Cypress Semiconductor Corporation</u> Internal Address: _____ _____ Street Address: <u>3901 North First Street</u> _____ City: <u>San Jose</u> State: <u>CA</u> ZIP: <u>95134</u> Additional name(s) & address(es) attached? No</p>
<p>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>December 19, 2000 and December 20, 2000</u></p>	

4. Application number(s) or patent number(s):
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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 21, 2000
 Reg. No.: 42,829 Signature Date

Total number of pages including cover sheet, attachments, and document: **5**

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