

ASSIGNMENT RECORDATION

09-04-2003

Only



To: Commissioner for Patents:

102541445

Date: August 27, 2003  
Attorney Docket No. 5646-108

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- A. Declan McDonagh
- B. Paul Murtagh

8-27-03

2. Name and address of receiving party(ies):

Integrated Device Technology, Inc.  
2975 Stender Way  
Santa Clara, CA 95054

22154 U.S. PTO  
10/649493  
08/27/03

Additional name(s) of conveying party(ies) attached? Yes  No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date:

A. August 26, 2003 B. August 26, 2003

Additional name(s) & address(es) attached? Yes  No

4. Application Serial No. \_\_\_\_\_ Patent No. \_\_\_\_\_

10649493

If this document is being filed together with a new application, the execution date of the application is: August 26, 2003

Additional numbers attached? Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Robert M. Meeks  
Myers Bigel Sibley & Sajovec  
P. O. Box 37428  
Raleigh NC 27627

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

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

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.

Robert M. Meeks #40,723

Name of Person Signing

Signature

August 27, 2003

Date

Total number of pages including cover sheet, attachments and document: 4

08/29/2003 HMARZ11 00000030 10649493

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40.00 DP

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Declan McDonagh**, citizen of Ireland, residing at 2784 Regent Walk Drive, Duluth, Georgia 30096; and **Paul Murtagh**, citizen of Australia, residing at 6115 Abbot's Bridge Road, Apt. 218, Duluth, Georgia 30097;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **DYNAMIC PHASE-LOCKED LOOP CIRCUITS AND METHODS OF OPERATION THEREOF** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, **Integrated Device Technology, Inc.**, a Delaware corporation having a principal place of business at 2975 Stender Way, Santa Clara, California 95054, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26 day of August, 2003.

Declan McDonagh (SEAL)  
**Declan McDonagh**

STATE OF GEORGIA                    )  
  ) ss:  
COUNTY OF GWINNETT            )

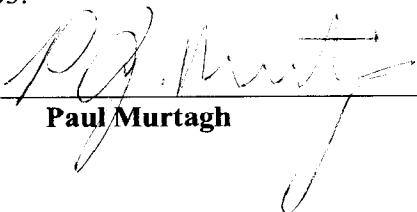
Before me personally appeared **Declan McDonagh**, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 26 day of August, 2003.

Donna G. Brown  
Notary Public

SEAL


My Commission Expires:                      **Notary Public, Gwinnett County, Georgia**  
~~My Commission Expires June 4, 2004~~

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26 day  
of AUGUST, 2003.

  
\_\_\_\_\_  
**Paul Murtagh** (SEAL)

STATE OF GEORGIA                    )  
  ) ss:  
COUNTY OF GWINNETT            )

Before me personally appeared **Paul Murtagh**, to me known to be the person  
described in and who executed the foregoing instrument, and he acknowledged to me that he  
executed the same for the purposes therein stated, this 26 day of August,  
2003.

  
\_\_\_\_\_  
Notary Public

SEAL

My Commission Expires: Notary Public, Gwinnett County, Georgia  
My Commission Expires June 4, 2004