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12-30-1998

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To the Honorable Commissioner of Patents

100932200

red original documents or copy thereof.

1. Name of conveying party(ies):

Stephen Ward Downey  
Allen Yen

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

2. Name and address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address: \_\_\_\_\_

Street Address: 600 Mountain Avenue

P. O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

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

94136 U.S. PTO  
09/21/98  
12/16/98

3. Nature of conveyance: MRD 12-16-98

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

Execution Date: 12/4/98, 12/9/98

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: 12/1/98  
12/9/98

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: Docket Administrator

Internal Address: Room 3C-512

Street Address: 600 Mountain Avenue

P. O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41)..... \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account)

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.

Martin G. Meder  
Name of Person Signing

[Signature]  
Signature

December 16, 1998  
Date

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

## ASSIGNMENT AND AGREEMENT

For value received, we, Stephen Ward Downey, of Orlando in the County of Orange and State of Florida, and Allen Yen, of Orlando in the County of Orange and State of Florida, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Deep Sub-Micron Metal Etch With In-Situ Hard Mask Etch** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Stephen Ward Downey  
Stephen Ward Downey

Date: 12/9/98

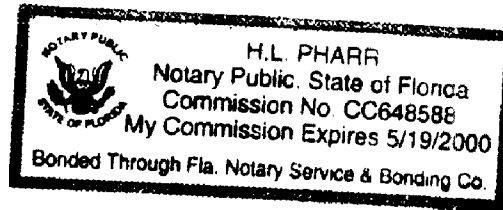
United States of America )

State of Florida ) ss.:

County of Orange )

On this 9 day of December, 1998, before me personally came Stephen Ward Downey, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

H.L. Pharr  
Notary Public



Allen Yen  
Allen Yen

Date: 12/11/98

United States of America )

State of FLORIDA ) ss.:

County of CRANGE )

On this 4<sup>th</sup> day of DECEMBER, 1998, before me personally came Allen Yen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Ellie Roberts  
Notary Public

Lucent Technologies Inc.  
600 Mountain Avenue (Room 3C-512)  
P. O. Box 636  
Murray Hill, New Jersey 07974-0636