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Patent & Trademark Office

To the Honorable Commissioner of Patents

101088886

original documents or copy thereof.

1. Name of conveying party(ies):

Siddhartha BHOWMIK, Joseph W. BUCKFELLER,
G. Craig CLABOUGH, Sailesh M. MERCHANT
Pradip K. ROY

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

Name: Lucent Technologies Inc.
Address: 600 Mountain Avenue, P.O. Box 636
Murray Hill, NJ 07974-0636

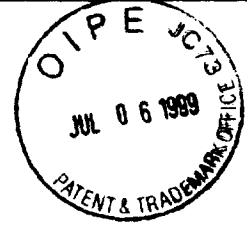
Additional name(s) of conveying party(ies) attached () Yes (X) No

3. Nature of Conveyance:

- (X) Assignment () Merger
- () Security Agreement () Change of Name
- () Other _____

Execution Date: (1), (2), (3) June 28, 1999 (4) & (5) June 29, 1999

Additional name(s) and address(s) attached? () Yes (X) No



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: _____

A. Patent application No.(s)

B. Patent No.(s)

09/276,034

Additional numbers attached? () Yes (X) No

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

Name: Christopher F. Regan, Esq.

Internal Address: Allen, Dyer,

Doppelt, Milbrath & Gilchrist, P.A.

Street Address: 255 S. Orange Ave.

P.O. Box 3791

City: Orlando

State: Florida Zip: 32802

6. Total number of applications and patents involved: [1]

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

[] Enclosed

[X] Authorized to be charged to deposit account.

8. Deposit Account Number:

12-2325

If any additional extension and/or fee is required, or, if any additional fee for claims is required.

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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 F. Regan
Name of Person Signing

Signature

July 1, 1999
Date

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

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ASSIGNMENT AND AGREEMENT

For value received, we, **Siddhartha BHOWMIK** of **Orlando** in the County of Orange and State of Florida, and **Joseph William BUCKFELLER** of **Allentown** in the County of Lehigh and State of Pennsylvania, and **G. Craig CLABOUGH** of **Cocoa Beach** in the County of Brevard and State of Florida, and **Sailesh Mansinh MERCHANT** of **Orlando** in the County of Orange and State of Florida, and **Pradip Kumar ROY** 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 **METHOD FOR CLEANING VIA OPENINGS IN INTEGRATED CIRCUIT MANUFACTURING** 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. they 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.

Siddhartha Bhowmik

Siddhartha BHOWMIK

Date: 06/28/99

United States of America)

State of FLORIDA) ss.:

County of ORANGE)

On this 28th day of June, 19 99, before me personally came **Siddhartha BHOWMIK** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



BETHANN WONG
Comm. No. CC 667351
My Comm. Exp. July 29, 2001
Bonded thru Pichard Ins. Agcy.

Bethann Wong
Notary Public

Joseph W Bueckfeller
Joseph William BUCKFELLER

Date: 6-28-99

United States of America)

State of FLORIDA) ss.:

County of ORANGE)

On this 28th day of June, 19 99, before me personally came **Joseph William BUCKFELLER**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



BETHANN WONG
 Comm. No. CC 667351
 My Comm. Exp. July 29, 2001
 Bonded thru Pichard Ins. Agcy.

3

Case Name and No.117705 (58515)

Bethann Wong

 Notary Public

G. Craig Clabough

 G. Craig CLABOUGH

Date: 6-28-99

United States of America)

State of FLORIDA) ss.:

County of ORANGE)

On this 28th day of June, 19 99, before me personally came **G. Craig CLABOUGH** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



BETHANN WONG
 Comm. No. CC 667351
 My Comm. Exp. July 29, 2001
 Bonded thru Pichard Ins. Agcy.

Bethann Wong

 Notary Public

Sailesh Mansinh Merchant

Sailesh Mansinh MERCHANT,

Date: 6/29/99

United States of America)

State of FLORIDA) ss.:

County of ORANGE)

On this 29th day of June, 19 99, before me personally came **Sailesh Mansinh MERCHANT** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged

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execution of the same.



BETHANN WONG
Comm. No. CC 667351
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Bethann Wong
Notary Public

Pradip Kumar ROY
Pradip Kumar ROY

Date: 6/29/99

United States of America)

State of FLORIDA) ss.:

City of ORANGE)

On this 29th day of June, 19 99, before me personally came **Pradip Kumar ROY**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



BETHANN WONG
Comm. No. CC 667351
My Comm. Exp. July 29, 2001
Bonded thru Pichard Ins. Agcy.

Bethann Wong
Notary Public

Lucent Technologies Inc.
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