

1-31-92

PATENTS ONLY

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Patent & Trademark Office

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

1. Name of conveying party(ies):

Pradip Kumar ROY

Ranbir SINGH

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

09-25-2000

3. Nature of Conveyance:

(X) Assignment () Merger

() Security Agreement () Change of Name

(X) Other Corrective assignment to include the full names of both inventors, as was previously not recorded.

Execution Date: June 16, 2000



101468798



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) 09/597,286

B. Patent No.(s)

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.

Paul J. Ditmyer
Name of Person Signing

Paul J. Ditmyer
Signature

September 7, 2000
Date

Total number of pages including cover sheet, attachments and document: [3]

07-06-2000

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6.20.00



Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks

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Final documents or copy thereof.

1. Name of conveying party(ies):

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

Roy et al

Name: Lucent Technologies Inc.

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Murray Hill, NJ 07974-0636

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- () Other _____

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Paul J. Ditmyer
Name of Person Signing

Paul J. Ditmyer
Signature

June 20, 2000
Date

Total number of pages including cover sheet, attachments and document: [3]

JC833 U.S. PTD
09/597286
06/20/00

06/27/2000 JMS/STJ/MS 0900021 12325 4500 CH 03 FC:581

ASSIGNMENT AND AGREEMENT

For value received, we, **Pradip Kumar ROY** of **Orlando** in the County of Orange and State of Florida, **Ranbir SINGH** 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 **NON-VOLATILE SEMICONDUCTOR DEVICE INCLUDING A GRADED, GROWN, HIGH QUALITY OXIDE LAYER AND ASSOCIATED METHODS** 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.

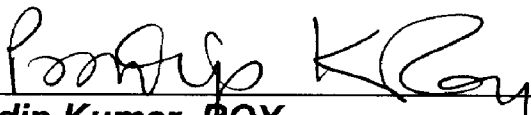
We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization 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.

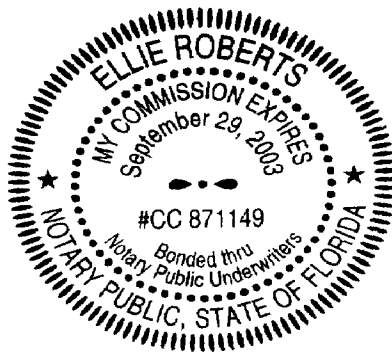
We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. they may designate.

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.

Date: 06/16/00



Pradip Kumar, ROY



United States of America)
State of ~~Orlando~~ Florida) ss.:
County of Orange)

On this 16th day of June, 2000, 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.

Ellie Roberts
Notary Public

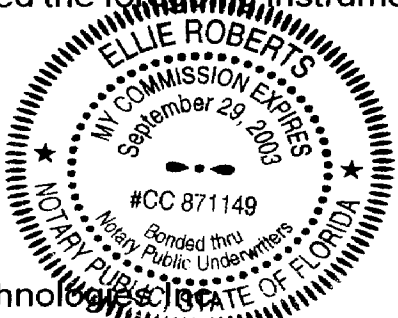
Ranbir Singh
Ranbir SINGH

Date: 6/16/00

United States of America)
State of ~~Orlando~~ Florida) ss.:
County of Orange)

On this 16th day of June, 2000, before me personally came **Ranbir SINGH**, 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