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To the honorable Commissioner of Patents

102678312

Documents or copy thereof.

1. Name of conveying party(ies): Zhenan Bao Howard Edan Katz

2/19/04

2. Name and address of receiving party(ies)

Name: Lucent Technologies, Inc.

Internal Address:

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Street Address: 600 Mountain Avenue

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

Execution Date: 01/20/2004; 01/21/2004

Additional name(s) & address(es) attached? Yes 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) 10/671,303

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Jay M. Brown

Priest & Goldstein, PLLC

Internal Address:

Street Address: 5015 Southpark Drive

Suite 230

City: Durham State: NC Zip: 27713-7736

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:

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

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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.

Jay M. Brown

Name of Person Signing

Signature

Signature

2/17/04

Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 015001 FRAME: 0264

ASSIGNMENT AND AGREEMENT

For value received, we, Zhenan Bao of Millburn in the State of New Jersey and Howard Edan Katz of Summit in the State of New Jersey, 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 **Semiconductor Devices Having Regions of Induced High and Low Conductivity, and Methods of Making the Same** described in U.S. Serial No. 10/671,303, filed September 24, 2003, 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.

Zhenan Bao

Zhenan Bao

Date: 1/21/04

United States of America)

State of *New Jersey*) ss.:

County of *Union*)

On this 21st day of January, 2004, before me personally came Zhenan Bao, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Catherine F. Dugan

Notary Public

CATHERINE F. DUGAN
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 1/17/2017

Howard Edan Katz

Howard Edan Katz

Date: 1/20/04

United States of America)

State of New Jersey) ss.:

County of Union)

On this 20th day of January, 2004, before me personally came Howard Edan Katz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Catherine F. Dugan

Notary Public

CATHERINE F. DUGAN
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 1/17/2007

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