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Please record the attached original documents on copy microfilm.

Attorney Docket No.: Bishop 33-10-1

1. Name of conveying party(ies):

David John BISHOP
John VanAtta GATES II
Jungsang KIM



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

Name: Lucent Technologies Inc

Street Address: 600 Mountain Avenue

P. O. Box 636

City: Murray Hill State: New Jersey Zip: 07974-0636

Additional names and addresses attached? yes no

Additional name(s) of conveying party(ies) attached?

yes no

3. Nature of Conveyance

Assignment Merger
 Security Agreement Change of Name
 Other _

Execution Date: 10/25/98, 10/28/98 and 10/25/98

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 N/A;

A. Patent Application No.(s)

09/419,488

B. Patent No.(s):

N/A

Additional numbers attached? Yes No

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

Name: Lance J. Lieberman, Esq.

Internal Address:

Street Address: 551 Fifth Avenue, Suite 1210

City: New York State: NY ZIP: 10176

6. Total number of applications and patents involved:

[1]

7. Total fee (37 C.F.R. 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)

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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.

Lance J. Lieberman, Esq.

Name of Person Signing

Reg. No. 28,437

Signature

November 23, 1999

Date

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

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Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents, Box Assignments

Washington, D.C. 20231

PATENT
REEL: 010408 FRAME: 0150

ASSIGNMENT AND AGREEMENT

For value received, we, **David John BISHOP** of Summit in the County of Union and State of New Jersey, **John VanAtta GATES II** of New Providence in the County of Union and State of New Jersey, **Jungsang KIM** of Basking Ridge in the County of Somerset and 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 **Hermatic Firewall for MEMS Packaging in Flip-Chip Bonded Geometry** 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.

David John Bishop
David John BISHOP

Date: 12/28/99

United States of America)

State of N.J.) ss.:

City of Union Township, Union County

On this 28th day of December, 1999, before me personally came **David John BISHOP**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jacqueline J. Moskowitz
Notary Public **JACQUELINE J. MOSKOWITZ**
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 01/22/2003

John VanAtta Gates II
John VanAtta GATES II

Date: 11/28/99

United States of America)

State of N.J.) ss.:

City of New Providence, Union County

On this 28th day of October, 1999, before me personally came **John VanAtta GATES II**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jacqueline J. Moskowitz
Notary Public

JACQUELINE J. MOSKOWITZ
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 01/22/2003

Jungsang KIM
Jungsang KIM

Date: 11/29/99

United States of America)

State of N.J.) ss.:

City of Morristown, Morris County

JACQUELINE J. MOSKOWITZ
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 01/22/2003

On this 29th day of November, 1999, before me personally came **Jungsang KIM**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jacqueline J. Moskowitz
Notary Public

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

JACQUELINE J. MOSKOWITZ
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 01/22/2003