

07-16-1999

FORM PTO-1595  
(Rev. 6-93)

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R SHEET

U.S. DEPARTMENT OF COMMERCE  
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Attorney Ref. No. LEE 5-9 - 375824/088

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

med 7-17-99

1. Name of conveying party(ies):

Hyun Lee  
Shaun P. Whalen

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

2. Name and Address of receiving party(ies)

Name:

LUCENT TECHNOLOGIES INC.  
600 Mountain Avenue, P.O. Box 636  
Murray Hill, New Jersey 07974-0636



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

3. Nature of conveyance:

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

Execution Date: June 30, 1999

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: June 30, 1999

A. Patent Application No.(s)

09/348447

B. Patent No.(s)

Additional numbers attached? \_\_\_ Yes X No

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

James J. DeCarlo, Esq.  
STROOCK & STROOCK & LAVAN LLP  
180 Maiden Lane  
New York, New York 10038-4982

6. Total number of applications and patents involved: 1

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

\_\_\_ Enclosed

X Any deficiency is authorized to be charged to Deposit Account No. 12-2325.

8. X Charge to Deposit Account No. 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.

James J. DeCarlo, Reg. No. 36,120  
Name of Person Signing

Signature

July 7, 1999  
Date

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

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: 010089 FRAME: 0447

## ASSIGNMENT AND AGREEMENT

For value received, we, Hyun Lee, 1386 Doe Trail Road, Allentown, Pennsylvania 18104, in the County of Lehigh and State of Pennsylvania and Shaun P. Whalen, 5301 Hanover Drive, Wescosville, Pennsylvania 18106, in the County of Lehigh and State of Lehigh, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue., P.O. Box 636, 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 **A VIRTUAL PARALLEL MULTIPLIER-ACCUMULATOR** described in an application for Letters Patent of the United States, executed by me 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.

[Signature]  
HYUN LEE

Date: 6/30/99

United States of America )

State of Pennsylvania )ss.:

County of Lehigh )

On this 30<sup>th</sup> day of June, 1999, before me personally came HYUN LEE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notarial Seal  
Yolanda W. Mikovits, Notary Public  
Allentown, Lehigh County  
My Commission Expires Jan. 31, 2000  
Member, Pennsylvania Association of Notaries

[Signature]  
Notary Public

[Signature]  
SHAUN P. WHALEN

Date: 6/30/99

United States of America )

State of Pennsylvania )ss.:

County of Lehigh )

On this 30<sup>th</sup> day of June, 1999, before me personally came SHAUN P. WHALEN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notarial Seal  
Yolanda W. Mikovits, Notary Public  
Allentown, Lehigh County  
My Commission Expires Jan. 31, 2000  
Member, Pennsylvania Association of Notaries

[Signature]  
Notary Public

Lucent Technologies Inc.  
600 Mountain Avenue (Room 3C-512)  
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