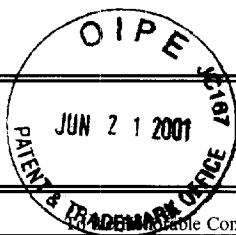


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nal documents or copy thereof.

1. Name of conveying party(ies):

**Philip D. MacKenzie**

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: **4/24/01**

2. Name and address of receiving party(ies)

Name: **Lucent Technologies Inc.**

Internal Address:

Street Address: **600 Mountain Avenue**  
**P.O. Box 636**

City: **Murray Hill** State: **NJ** ZIP: **07974-0636**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)

**09/827,227**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **William E. Lewis**Internal Address: **Ryan, Mason & Lewis, LLP**Street Address: **90 Forest Avenue**City: **Locust Valley** State: **NY** ZIP: **11560**6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41)..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number **12-2325**

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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.*

**William E. Lewis**

Reg. No. 39,274

Signature

**June 21, 2001**

Date

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P.D. MacKenzie 9

**PATENT**  
**REEL: 011927 FRAME: 0577**

## ASSIGNMENT AND AGREEMENT

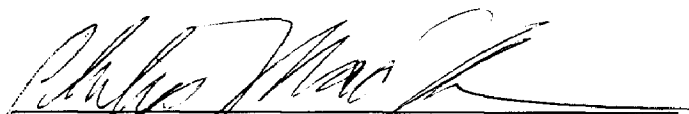
For value received, I, Philip D. MacKenzie, of Maplewood in the County of Essex and State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHODS AND APPARATUS FOR PROVIDING EFFICIENT PASSWORD-AUTHENTICATED KEY EXCHANGE** described in application Serial No. 09/827,227 for Letters Patent of the United States, filed April 5, 2001, 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 I 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.

I 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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.

I 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.

I agree that, when requested, I 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.

  
Philip D. MacKenzie

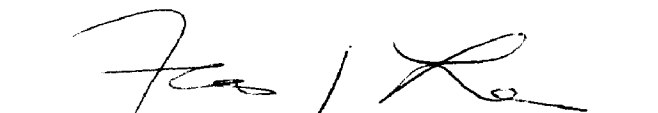
Date: 4-24-2001

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 24<sup>th</sup> day of April, 2001, before me personally came Philip D. MacKenzie, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, New York 11560  
(516) 759-2722

**FRANCES J. LEVINE**  
Notary Public of New Jersey, USA  
Registered in Middlesex County  
My Commission Expires July 30, 2003