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To the Honorable Commissioner of Patents

101047227

original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Bruno, John Louis
  - 5. Small, Christopher Allen
  - 2. Brustoloni, Jose Carlos
  - 3. Gabber, Eran
  - 4. Silberschatz, Abraham
- Additional name(s) of conveying party(ies) attached?  Yes  No

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: 0636

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

JCS11 U.S. PTO  
09/31/229  
05/18/99

3. Nature of conveyance:

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

Execution Date: 1. 5/11/99 2. 5/7/99 3. 5/7/99  
4. 5/7/99 5. 5/7/99

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: 5/11/99, 5/7/99

A. Patent Application No.(s)

B. Patent No.(s)

09/31/229

Additional numbers attached?  Yes  No

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

Name: Docket Administrator

Internal Address: Room 3C-512

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: NJ ZIP: 0636

6. Total number of applications and patents involved:

7. Total fee (37 CFR 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!)

05/24/1999 NTHA11 00000065 122325 09311229

01 FC:581 40.00 CH

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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.

Jeffrey M. Weinick

Name of Person Signing

Jeffrey M. Weinick  
Signature

May 13, 1999

Date

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

J:L. Bruno  
5-2-12-44-1

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

PATENT  
REEL: 009969 FRAME: 0270

## ASSIGNMENT AND AGREEMENT

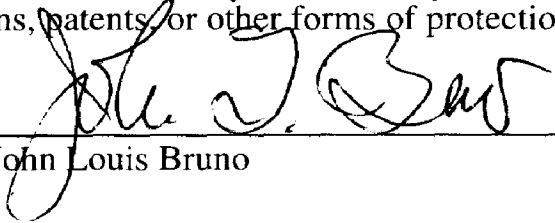
For value received, we, John Louis Bruno, of Santa Barbara in the County of Santa Barbara and State of California, Jose' Carlos Brustoloni, of Chatham in the County of Morris and State of New Jersey, Eran Gabber, of Summit in the County of Union and State of New Jersey, Abraham Silberschatz, of Warren in the County of Somerset and State of New Jersey, and Christopher Allen Small, of New Providence in the County of Union 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 **Operating System Transfer Of Control And Parameter Manipulation Using Portals** 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. may designate.

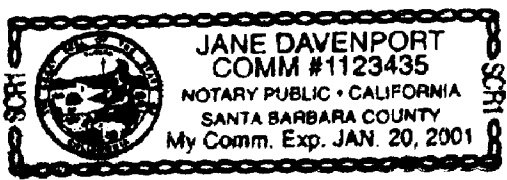
We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

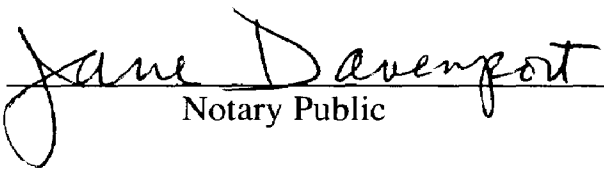
  
\_\_\_\_\_  
John Louis Bruno

Date: 5/11/99

United States of America )  
State of CALIFORNIA ) ss.:  
County of SANTA BARBARA )

On this 11<sup>th</sup> day of May, 1999, before me personally came John Louis Bruno, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



  
\_\_\_\_\_  
Notary Public

*Jose' Carlos Brustoloni*  
Jose' Carlos Brustoloni

Date: May 7, 1999

United States of America            )  
State of New Jersey            ) ss.:  
County of Union                )

On this 7<sup>th</sup> day of May, 1999, before me personally came Jose' Carlos Brustoloni, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Amy Axelrod*  
Notary Public  
**AMY AXELROD**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Exp. Feb. 14, 2002

*Eran Gabber*

Eran Gabber

Date: May 7, 1999

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 7<sup>th</sup> day of May, 1999, before me personally came Eran Gabber, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Amy Axelrod*

Notary Public

**AMY AXELROD**

**NOTARY PUBLIC OF NEW JERSEY**

**My Commission Exp. Feb. 14, 2002**

Abraham Silberschatz  
Abraham Silberschatz

Date: 5/7/99

United States of America )  
State of New Jersey ) ss.:  
County of Union )

On this 7<sup>th</sup> day of May, 19 99, before me personally came Abraham Silberschatz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amy Axelrod  
Notary Public

**AMY AXELROD**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Exp. Feb. 14, 2002

*Christopher Allen Small*

Christopher Allen Small

Date: 5/7/99

United States of America )

State of NJ ) ss.:

County of Union )

On this 7<sup>th</sup> day of May, 1999, before me personally came Christopher Allen Small, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Amy Axelrod*  
Notary Public

**AMY AXELROD**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Exp. Feb. 14, 2002

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