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08-31-1999

8.23.99

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To the Honorable Commissioner of Patents and Trademarks
Please record the attached original documents or copy thereof. **101131387**
Attorney Docket No. Bianchi 1 1

1. Name of conveying party(ies):
Lester Green, Charles Bianchi, and Edward Arsnow

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

2. Name and address of receiving party:

Name: Lucent Technologies, Inc.
Street Address: 600 Mountain Avenue

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

3. Nature of conveyance: Assignment

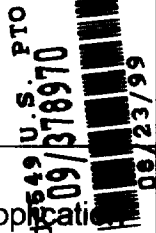
Execution Date: August 20, 1999

09,378970

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: August 20, 1999

A. Patent Application No.(s) | B. Patent No. (s)

Additional numbers attached? ___ Yes X No



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

Name: James W. Wiegand
Street Address: James W Wiegand, Esq
190 Babcock Street

City: Brookline
State: MA Zip: 02446

6. Total number of applications and patents involved? 1

7. Total fee (37 CFR 3.41) \$40.00
___ Enclosed
X Authorized to be charged to deposit account no. 12-2325
(attach duplicate copy of this page)

DO NOT USE THIS SPACE

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 W. Wiegand
Name of Person Signing

Signature *JW*

Date 08/23/99

08/30/1999 DNGUYEN 00000079 122325 09378970
01 FC:581 40.00 CH

ASSIGNMENT AND AGREEMENT

For value received, I, **Lester L. Green**, of **Chelsea**, in the County of **Suffolk** and State of **Massachusetts**, **Charles H. Bianchi** of **Durham** in the County of **Strafford** and State of **New Hampshire**, and **Edward James Arsnow** of **Lynnfield** in the County of **Essex** and State of **Massachusetts**, 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 **APPARATUS AND METHOD FOR COMMUNICATIONS LOOP CHARACTERIZATION** 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 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. they 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.

Lester L Green
Lester L Green

Date: 8/20/99

United States of America)

State of MASSACHUSETTS) ss.:

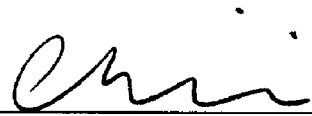
City of NORTH ANDOVER)

On this 20th day of AUGUST, 1999, before me personally came **Lester L Green**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Joseph A Salvo
Notary Public

JOSEPH A. SALVO, NOTARY PUBLIC
MY COMMISSION EXPIRES NOVEMBER 2, 2001

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.



Charles H. Bianchi

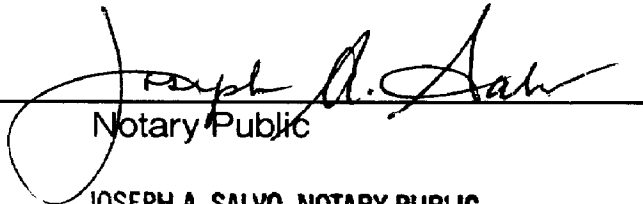
Date: 8-20-99

United States of America)

State of MASSACHUSETTS) ss.:

City of NORTH ANDOVER)

On this 20th day of AUGUST, 19 99, before me personally came **Charles H Bianchi**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

JOSEPH A. SALVO, NOTARY PUBLIC
MY COMMISSION EXPIRES NOVEMBER 2, 2001

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.

Edward James Arsnow
Edward James Arsnow

Date: 8/20/99

United States of America)

State of MASSACHUSETTS) ss.:

City of NORTH ANDOVER)

On this 20th day of AUGUST, 1999, before me personally came **Edward James Arsnow**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Joseph A. Salvo
Notary Public

JOSEPH A. SALVO, NOTARY PUBLIC
MY COMMISSION EXPIRES NOVEMBER 2, 2001

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