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RECOF

12-13-2001

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office



To the Honorable Commissioner of Pa

101914572

1 original documents or copy thereof

1. Name of conveying party(ies):

Ashok RUDRAPATNA and Naresh SHARMA

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

MRD 11-16-01

2. Name and address of receiving party(ies)

Name: Lucent Technologies

Internal Address:

Street Address: 600 Mountain Avenue

City: Murray Hill State: NJ Zip: 07974

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

76715 U.S. PTO
10/004024
11/16/01

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date(s): November 15, 2001

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: November 15, 2001

A. Patent Application No.(s)

B. Patent No.(s)

10004024

Additional numbers attached? Yes No

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

Name:

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 8910

City: Reston State: VA Zip: 20195

6. Total number of applications and/or patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 12-2325. A duplicate copy of this sheet is enclosed.

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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.

Gary D. Yacura

Name of Person Signing

Signature

November 16, 2001

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
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12/12/2001 6TDM11 00000103 122325 10004024
01 FC:581 40.00 CH

Lucent Ref. No.: 124545/Rudrapatna 23-2
Attorney Docket No. 29250-000599

ASSIGNMENT AND AGREEMENT

For value received, we **Ashok RUDRAPATNA** of **Basking Ridge** in the County of **Somerset** and State of **New Jersey**; and **Naresh SHARMA** of **Budd Lake** in the County of **Morris** 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 **ENCODING SYSTEM FOR MULTI-ANTENNA TRANSMITTER AND DECODING SYSTEM FOR MULTI-ANTENNA RECEIVER** 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.

Lucent Ref. No.: 124545/Rudrapatna 23-2
Attorney Docket No. 29250-000599

Ashok W. Rudrapatna
Ashok RUDRAPATNA

Date: 11/16/2001

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

On this 16th day of November, 2001, before me personally came Ashok Rudrapatna, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Margaret Cardoso
Notary Public
MARGARET CARDOSO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 02, 2003

Date: 11/16/2001

Naresh Sharma
Naresh SHARMA

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

On this 16th day of November, 2001, before me personally came Naresh Sharma, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Margaret Cardoso
Notary Public

MARGARET CARDOSO
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 02, 2003

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