

04-22-1999



ner of Patents and Trademarks: Please record the attached original documents or copy thereof.

101017547

Jaiganesh Balakrishnan and Markus Rupp

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: February 15, 1999 and March 8, 1999

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

4-19-99

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:

A. Patent Application No(s).

B. Patent No.(s)

09/240,005

Additional numbers attached? Yes No

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

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Internal Address: P.O. Box 747
Falls Church, Virginia 22040-0747

Street Address: 8110 Gatehouse Road, Suite 500 East

City: Falls Church State: VA ZIP: 22042

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 triplicate copy of this page if paying by deposit account)

04/21/1999 DNGUYEN 00000346 122325 09240005

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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.

Raymond C. Stewart, 21,066
Name of Person Signing

Signature B. No. 35,416

April 19, 1999
Date

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

Four

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

PATENT
REEL: 9895 FRAME: 0938

ASSIGNMENT AND AGREEMENT

For value received, we, Jaiganesh BALAKRISHNAN of Ithaca in the County of Tompkins and State of New York, and Markus RUPP of Lincroft in the County of Monmouth 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 **METHOD AND APPARATUS FOR PULSE SHAPING** 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.

P. Jaiganesh
Jaiganesh BALAKRISHNAN


Date: 2/15/1999

United States of America)
State of New York) ss.:
City of Albaca)

On this 15th day of February, 1999, before me personally came Jaiganesh BALAKRISHNAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Mary Rita Kessler
Notary Public

MARY RITA KESSLER
Notary Public, State of New York
SCH. Co. # 4700542-01-Ke
Commission expires 3.30.01



Markus RUPP

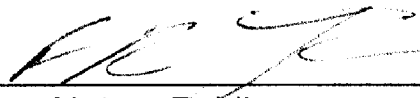
Date: 3/8/99

United States of America)

State of New Jersey) ss.:

County of Monmouth)

On this 8 day of MARCH, 1999, before me personally came Markus RUPP, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

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

FRANCINE RENEE LAFAVOR
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES OCTOBER 24, 2000