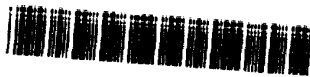


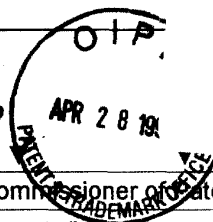
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Joyner, Charles H.
Additional names(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: **LUCENT TECHNOLOGIES INC.**
Internal Address: _____
Street Address: **600-700 MOUNTAIN AVENUE**
P.O. BOX 636
City: **MURRAY HILL** State: **NJ** ZIP: **07974**
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: **April 21, 1998**

4. Application number(s) or registration numbers(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
09/016,176
Additional numbers attached? Yes No

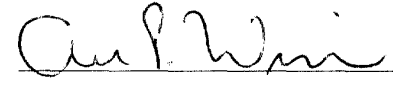
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **ANASTASIA P. WINSLOW, ESQ.**
Internal Address: **MATHEWS, COLLINS, SHEPHERD,**
& GOULD, P.A.
Street Address: **100 THANET CIRCLE, SUITE 306**

6. Total number of applications and patents involved: **1**
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)

05/04/1998 KIMBLE INC 00000060 122325 09016176
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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.
ANASTASIA P. WINSLOW, ESQ.  **APRIL 24, 1998**
Name of Person Signing Signature Date

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



ASSIGNMENT AND AGREEMENT

For value received, I, Charles H. Joyner of Red Bank 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, P.O. Box 636, 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 IMPROVED TUNABLE TRANSMITTER WITH MACH-ZENDER MODULATOR described in an application for Letters Patent of the United States, which application is being executed by me on the date indicated below, 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.

Joyner 17

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. Joyner 4/21/98
CHARLES H. JOYNER

United States of America)

State of N.J.) ss.: 051 - 30 - 7571

County of Monmouth)

On this 21 day of April, 1998, before me personally came CHARLES H. JOYNER, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public

MY COMMISSION EXPIRES
2-13-2002

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