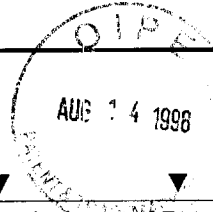


FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



100826666

Tab settings

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

MRD 8-14-98

1. Name of conveying party(ies):
**Chakrabarti, Uptal Kumar
Glew, Richard W
Grim-Bogdan, Karen A**

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

Name: Lucent Technologies

Internal Address: _____

Street Address: 600-700 Mountain Avenue

City: Murray Hill State: NJ ZIP: 07960

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: August 5 and August 10, 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)
09/090,366

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Glen E. Books, Esq.

Internal Address: Mathews, Collins, Shepherd &
Gould, P.A.

Street Address: 100 Thanet Circle, Suite 306

City: Princeton State: NJ ZIP: 08540

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

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
12-2325

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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.

Glen E. Books, Esq. *Glen E Books* August 12, 1998

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **5**

09/090366
122325
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09/090366
122325

ASSIGNMENT AND AGREEMENT

Utpal KKC

For value received, we, ~~Utpal~~ Kumar Chakrabarti, of Allentown in the County of Lehigh and State of Pennsylvania, Richard W. Glew of Breinigsville in the County of Lehigh and State of Pennsylvania, and Karen A. Grim-Bogdan of Kutztown in the County of Berks and State of Pennsylvania, 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 METHOD FOR MAKING MULTIPLE WAVELENGTH SEMICONDUCTOR LASERS ON A SINGLE WAFER 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 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.

R. Glew
Richard W. Glew

Date: 5th Aug '98

United States of America)
State of Pennsylvania) ss.:
County of Lehigh)

On this 5th day of August, 1998, before me personally came RICHARD W. GLEW, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane L Hughes
Notary Public

Notarial Seal
Diane L. Hughes, Notary Public
Upper Macungie Twp., Lehigh County
My Commission Expires Jan. 2, 1999
Member, Pennsylvania Association of Notaries

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.

Utpal Kumar Chakrabarti
Utpal Kumar Chakrabarti
Utpal
ukc

Date: 8/10/98

United States of America)
State of Pennsylvania) ss.:
County of Lehigh)

On this 10th day of August, 1998, before me personally came UPTAL KUMAR CHAKRABARTI, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane L Hughes
Notary Public

Notarial Seal
Diane L. Hughes, Notary Public
Upper Macungie Twp., Lehigh County
My Commission Expires Jan. 2, 1999
Member, Pennsylvania Association of Notaries

Karen A. Grim-Bogdan
Karen A. Grim-Bogdan

Date: 8-10-98

United States of America)
State of Pennsylvania) ss.:
County of Lehigh)

On this 10th day of August, 19 98, before me personally came KAREN A. GRIM-BOGDAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane L. Hughes
Notary Public

Notarial Seal
Diane L. Hughes, Notary Public
Upper Macungie Twp., Lehigh County
My Commission Expires Jan. 2, 1999
Member, Pennsylvania Association of Notaries

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Murray Hill, New Jersey 07974-0636