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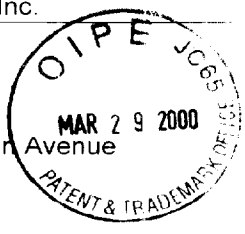
SHEET

U.S. Department of Commerce  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please return the enclosed original documents or copy thereof

<p>1. Name of conveying party(ies): Utpal Kumar Chakrabarti, Abdallah Ougazzaden, Charles H. Joyner, Charles W. Lentz and Gleb E. Shtengel</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Lucent Technologies, Inc.</u></p> <p>Internal Address:</p> <p>Street Address: <u>600 Mountain Avenue</u></p> <p>City: <u>Murray Hill</u></p> <p>State: <u>New Jersey</u> Zip: <u>07974-0636</u></p> <p>Country: <u>USA</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date(s): <u>1/24/00; 2/1/00; 3/17/00 and 3/23/00.</u></p>	<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the Execution date(s) of the new application is (are): _____</p> <p>A. Patent Application No.(s): <u>09/5' 5,102</u></p> <p>B. Patent No.(s): _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: Chakrabarti 31-24-6-7-10</u></p> <p>Attn: <u>Thomas J. D'Amico</u></p> <p>Street Address: <u>2101 L Street NW</u></p> <p>City: <u>Washington</u> State: <u>DC</u> Zip: <u>20037 - 1526</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R 3.41) \$ <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input checked="" type="checkbox"/> Credit any overpayment or debit any underpayment</p> <p>8. Deposit account number: <u>12 - 2325</u></p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature</p> <p><i>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.</i></p> <p><u>Thomas J. D'Amico</u>  <u>March 29, 2000</u></p> <p style="text-align: center;">Signature <span style="float: right;">Date</span></p> <p>Reg. No. <u>28,371</u></p>	
<p>Total number of pages including cover sheet, attachments, and document: <u>7</u></p>	



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## ASSIGNMENT AND AGREEMENT

For value received, we, Gleb E. Shtengel of Hanover, Maryland, Utpal Kumar Chakrabarti, Charles William Lentz, Abdallah Ougazzaden all of Breinigsville, Pennsylvania, and Charles H. Joyner of Holmdel, New Jersey in the County of \_\_\_\_\_ and States of Maryland, Pennsylvania and 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 A METHOD AND DEVICE FOR PREVENTING ZINC/IRON INTERACTION IN A SEMICONDUCTOR LASER 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.

Gleb E. Shtengel /  
Gleb E. Shtengel

Date: March 17, 2000

United States of America )  
State of MARYLAND )ss.:  
County of ARLINGTON )

On this 17<sup>th</sup> day of MARCH, 2000, before me personally came Gleb E. Shtengel, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amity D.  
Notary Public

Utpal Kumar Chakrabarti  
Utpal Kumar Chakrabarti

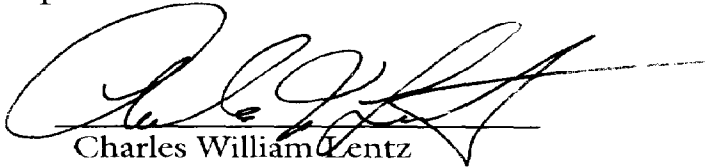
Date: 2/1/2000

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

On this 1<sup>st</sup> day of February, 2000, before me personally came Utpal 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

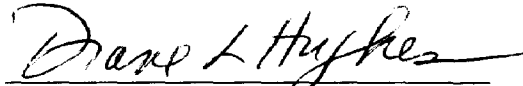
NOTARIAL SEAL  
DIANE L. HUGHES, Notary Public  
Breitburg, Lehigh County  
My Commission Expires Jan. 6, 2003

  
Charles William Lentz

Date: 1/24/00

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

On this 24<sup>th</sup> day of January, 2000, before me personally came Charles William Lentz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

NOTARIAL SEAL  
DIANE L. HUGHES, Notary Public  
Breinigsville, Lehigh County  
My Commission Expires Jan. 5, 2003

Charles H. Joyner  
Charles H. Joyner

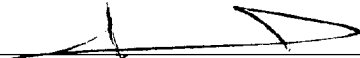
Date: 2/23/00

United States of America )  
State of \_\_\_\_\_ )ss.:  
County of \_\_\_\_\_ )

On this 23 day of March, 2000, 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.

Cheryl A. Parrish  
Notary Public

**My Commission Expires  
06-04-2004**

  
Abdallah Ougazzaden

Date: 1/24/00

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

On this 24<sup>th</sup> day of January, 2000, before me personally came Abdallah Ougazzaden, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

NOTARIAL SEAL  
DIANE L. HUGHES, Notary Public  
Breinigsville, Lehigh County  
My Commission Expires Jan. 6, 2003