

02-04-2003



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner c

102356204

e attached original documents or copy thereof

1. Name of conveying party(ies):

- 1. Girsh Blumberg
- 2. Brian S Dennis
- 3. Dmitro M. Egorov

1-24-03

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) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date(s): 1/24/03; 1/24/03; 1/23/03

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

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: 1

A. Patent Application No.(s)

B. Patent No.(s)

10350780

Additional numbers attached? ☐ Yes ☒ No

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

Name: Docket Administrator

Internal Address: Room 3J-219

Street Address: 101 Crawfords Corner Road

City: Holmdel State: NJ ZIP: 07733-3030

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)

02/03/2003 T81RZ1 00000143 122325 10330780

01 Fee: 0021 40.00 CH

DO NOT USE THIS SPACE

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.

John F. McCabe, Reg. No. 42,854
Name of Person Signing

John McCabe
Signature

1/24/03

Date

Total number of pages including cover sheet, attachments, and document: 9

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignment

Washington, D.C. 20231

Case Name/No.: Blumberg 4-1-1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231, on 1/24/03

Catherine F. Dwyer
Signature

PATENT
REEL: 013709 FRAME: 0345

ASSIGNMENT AND AGREEMENT

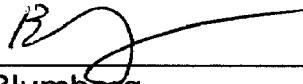
For value received, we, Girsh Blumberg, of New Providence in the County of Union and the State of New Jersey, and Brian S Dennis, of Chatham in the County of Morris and the State of New Jersey, and Dmitro M. Egorov, of Allston in the County of Suffolk and the State of Massachusetts, hereby sell, assign 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 **Optical Routers Based On Surface Plasmons** 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.



Girsh Blumberg

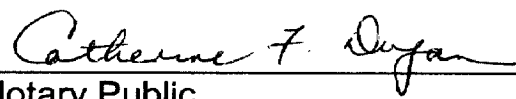
Date: 1/24/2003

United States of America)

State of New Jersey) ss.:

County of Union)

On this 24th day of January, 2003, before me personally came, Girsh Blumberg to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

CATHERINE F. DUGAN
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 1/17/2007

Brian S. Dennis

Brian S Dennis

Date: 1-24-03

United States of America)

State of New Jersey) ss.:

County of Union)

On this 24th day of January, 2003, before me personally came, Brian S Dennis to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Catherine F. Dugan
Notary Public

CATHERINE F. DUGAN
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 1/17/2007

Dmitro M. Egorov

Date: _____

United States of America)

State of _____) ss.:

County of _____)

On this _____ day of _____, 20____, before me personally came, Dmitro M. Egorov 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.
Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

ASSIGNMENT AND AGREEMENT

For value received, we, Girsh Blumberg, of New Providence in the County of Union and the State of New Jersey, and Brian S Dennis, of Chatham in the County of Morris and the State of New Jersey, and Dmitro M. Egorov, of Allston in the County of Suffolk and the State of Massachusetts, 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 **Optical Routers Based On Surface Plasmons** 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.

Girsh Blumberg

Date: _____

United States of America)

State of) ss.:

County of)

On this _____ day of _____, 20____, before me personally came, Girsh Blumberg to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Brian S Dennis

Date: _____

United States of America)

State of _____) ss.:

County of _____)

On this _____ day of _____, 20____, before me personally came, Brian S Dennis to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Dmitro M. EgorovDate: 01/23/03

United States of America)

State of Massachusetts) ss.:County of Middlesex)

On this 23rd day of January, 2003, before me personally came, Dmitro M. Egorov to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public 1-23-03

VICTORIA A. GREENE, Notary Public
My Commission Expires Feb. 21, 2008
Commonwealth of Massachusetts

Lucent Technologies Inc.
Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030