

02-07-2000

FORM PTO-1595  
1-31-92

**RECORDATION  
PAT**



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No. 248/164

101260468

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

1. Name of conveying party(ies):  
George M. Mihalakis  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party:  
Name: Gain Micro-Optics, Inc.

Internal Address: \_\_\_\_\_

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Street Address: 459 Montague Expressway

City: Milpitas State: California Zip: 95035

101260468  
12/30/99  
U.S. PTO  
09/474943

Execution Date: December 30, 1999

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: December 30, 1999

A. Patent Application No(s):

B. Patent No(s):

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Jeffrey A. Miller  
  
Internal Address: LYON & LYON LLP  
633 West Fifth Street, Suite 4700  
Los Angeles, CA 90071-2066

6. Total number of applications and patents involved: 1

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

Enclosed

Charge this Deposit Account if any additional fee is required

8. Deposit Account Number: 12-2475

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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.

\_\_\_\_\_  
Jeffrey A. Miller Reg No. 35,287

Date: December 30, 1999

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

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

**Commissioner of Patents and Trademarks**

**Box Assignments**

**Washington, D.C. 20231**

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**PATENT  
REEL: 010522 FRAME: 0283**

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, GEORGE M. MIHALAKIS, a citizen of UNITED STATES OF AMERICA, (hereinafter referred to as "ASSIGNOR"), have invented and own a certain invention entitled Reflective Liquid-Crystal-on-Silicon Projection Engine Architecture for which application for Letters Patent of the United States of America has been executed on even date herewith; and

WHEREAS, **GAIN MICRO-OPTICS, INC.**, a corporation organized and existing under and by virtue of the laws of the State of **California** and having its principal place of business at **459 Montague Expressway, Milpitas, California, 95035** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp 4/94)  
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P08/REV02

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

PATENTS ONLY

Tab settings

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

1. Name of conveying party(ies):

Robert J. Allen  
John M. Cohn  
David J. Hathaway

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

Name: International Business Machines Corporation

Internal Address:

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Execution Date: 12/23/99, 12/23/99, 12/30/99

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

4. Application number(s) or registration numbers(s):

12/23/99, 12/23/99,  
12/30/99

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)

Additional numbers attached?  Yes  No

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

Name: Richard M. Kotulak

Internal Address: Intellectual Property Law - Mail 972E

Street Address: International Business Machines Corp.

1000 River Street

City: Essex Junction State: VT ZIP: 05452

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:

09-0456

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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 true copy of the original document.

Howard J. Walter, Reg. No. 24,832

Name of Person Signing

(802) 769-4457

Signature

12/30/99

Date

Total number of pages including cover sheet, attachments, and document: 2

00000008 090456 09475799  
42/08/2000 TTON16 40.00 CH  
01 FC:561



# ASSIGNMENT

Whereas, we

Inventor and City	(1) Robert J. Allen County of Chittenden	City of Jericho and State of Vermont
and	(2) John M. Cohn County of Chittenden	City of Richmond and State of Vermont
and	(3) David J. Hathaway County of Chittenden	City of Underhill Center and State of Vermont

have invented certain improvements in

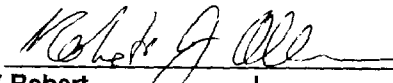
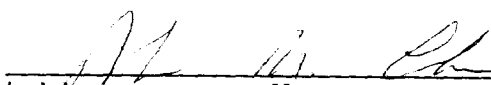
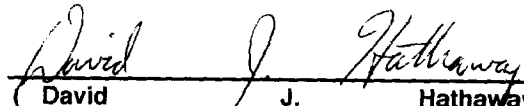
Title METHOD OF INTEGRATED CIRCUIT DESIGN CHECKING USING PROGRESSIVE INDIVIDUAL NETWORK ANALYSIS

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) 12/23 1999, and (2) 12/23 1999, and  
(3) 12/30 1999.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City Date	(1) Signed at on 12/23/1999 Essex Junction	 ( Robert J. Allen ) signature First Name Middle Initial Last Name inventor
City Date	(2) Signed at on 12/23/1999 Essex Junction	 ( John M. Cohn ) signature First Name Middle Initial Last Name inventor
City Date	(3) Signed at on 12/30/1999 ESSEX JUNCTION	 ( David J. Hathaway ) signature First Name Middle Initial Last Name inventor