

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P08A/REV03

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To the Director of the United States Patent and Trademark Office

and attached original documents or copy thereof.

1. Name of conveying party(ies):

Eric A. Johnson
David V. Caletka

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

Name: International Business Machines Corporation

Address: New Orchard Road

Additional names(s) of conveying party(ies)

Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 10/08/03, 10/21/03

City: Armonk State/Prov.: New York

Country: U.S.A. ZIP: 10504

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

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

10692921

If this document is being filed together with a new application, the execution date of the application is: 10/08/03, 10/21/03

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

Yes No

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

Name: Steven Fischman

Registration No. 34,594

Address: Scully, Scott, Murphy & Presser

400 Garden City Plaza

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City: Garden City State/Prov.: New York

Country: U.S.A. ZIP: 11530

6. Total number of applications and patents involved:

1

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

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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.

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PATENT
REEL: 014639 FRAME: 0399

ASSIGNMENT

Whereas, we

Inventor and City	(1) Eric A. Johnson County of Chenango	City of Greene and State of New York
and	(2) David V. Caletka County of Tioga	City of Apalachin and State of New York

have invented certain improvements in

Title PASSIVE ALIGNMENT OF VCSELs TO WAVEGUIDES IN OPTO-ELECTRONIC
CARDS AND PRINTED CIRCUIT BOARDS

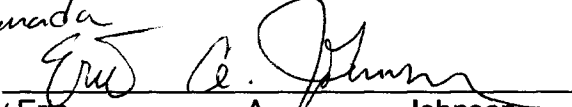
Dates That and have executed, respectively, a United States patent application therefor on
Inventors
Signed the (1) *8 October*, 2003, and (2) *21 October* 2003.

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.

ASSIGNMENT

City (1) Signed at Toronto, Ontario, Canada
Date on 8 October, 2003


(Eric A. Johnson) signature
First Name Middle Initial Last Name) inventor

City (2) Signed at Apalachin, NY
Date on 21 October, 2003


(David V. Caletka) signature
First Name Middle Initial Last Name) inventor