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Patent and Trademark Office

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Handwritten: 10/14/00
6-23-00

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

1. Name of conveying party(ies):

**Benson Chan
Richard R. Hall
How Tzu Lin
John H. Sherman**

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

Name: **International Business Machines Corporation**

Internal Address: _____

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

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

3. Nature of conveyance:

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

Execution Date: 5/11/00, 5/12/00, 5/15/00 & 5/18/00

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

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: 5/11/00, 5/12/00,

A. Patent Application No.(s)

B. Patent No.(s)

5/15/00 & 5/18/00

EN999106

Handwritten: 09/578216

Additional numbers attached? Yes No

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

Name: **Mark Levy**

Internal Address: _____

Street Address: **SALZMAN & LEVY**

19 Chenango St., Suite 606

City: **Binghamton** State: **NY** ZIP: **13901**

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:

09-0457

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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.

Lawrence R. Fraley, Reg. No. -26,885

Handwritten Signature: Lawrence R. Fraley

Handwritten Date: 5/22/00

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **3**

PATENT

REEL: 010852 FRAME: 0587

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
EN999106

This is an Assignment of the following rights, title and interest: (check all that apply):

United States of America rights, title and interest in the invention

Foreign rights, title and interest in the invention

United States Patent Application Serial No. _____

Date of Execution: _____ Date of Filing: _____

United States Provisional Patent Application Serial No. _____

United States Patent No(s). _____

International (PCT) Patent Application Serial No. _____

Other (specify) _____

Title of the Invention

OPTICAL DEVICE WITH CHIP LEVEL PRECISION ALIGNMENT

Inventors (assignors)

Name	Address
Benson Chan	117 Carol Ave., Vestal, NY 13850
Richard R. Hall	1141 Michael Dr., Endwell, NY 13760
How Tzu Lin	1200 Hartwick Lane, Vestal, NY 13850
John H. Sherman	45 Cemetery Rd., Lisle, NY 13797

Assignee

Name	Address
International Business Machines Corporation	New Orchard Road Armonk, NY 10504

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**

Docket No.
EN999106

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

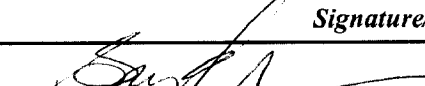
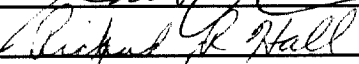

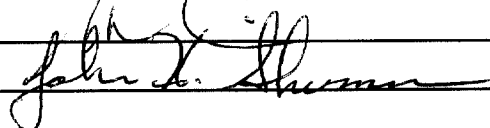
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Benson Chan	 May 18, 2000
Richard R. Hall	 May 12, 2000
How Tzu Lin	 May 15, 2000
John H. Sherman	 11 MAY 2000