

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
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06-28-2001

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



Tab settings

To the Honorable Commissioner of Patent.

101763786

Attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Richard R. Hall
- (2) How T. Lin
- (3) Christopher J. Majka
- (4) Matthew F. Seward
- (5) Ronald V. Smith

06/19/01

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

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

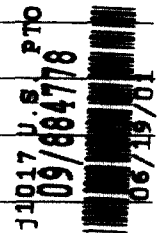
Name: International Business Machines Corporation

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

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

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



3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 06/15/01.

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

09/884778

If this document is being filed together with a new application, the execution date of the application is: 06/15/01.

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: Customer No. 5409

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

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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 (IBM)

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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

*Lawrence R. Fraley*

June 19, 2001

Name of Person Signing

Signature

Date

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

3

# ASSIGNMENT

Whereas, we

(1) Richard R. Hall  
County of Broome

City of Endwell  
and State of New York

(2) How T. Lin  
County of Broome

City of Vestal  
and State of New York

(3) Christopher J. Majka  
County of Tioga

City of Owego  
and State of New York

(4) Matthew F. Seward  
County of Broome

City of Windsor  
and State of New York

(5) Ronald V. Smith  
County of Susquehanna

City of Friendsville  
and State of Pennsylvania

have invented certain improvements in a:

## METHOD AND APPARATUS TO ESTABLISH CIRCUIT LAYERS INTERCONNECTIONS

Dates That and executed, respectively, a United States patent application therefor on

Inventors


Signed the Declaration (1) *6/15/2001* 2001; (2) *6/15/2001* 2001;  
(3) *6/15/2001* 2001; (4) *6/15/2001* 2001; and  
(5) *6/15/2001* 2001.

And 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 inventions set forth in said applications 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.

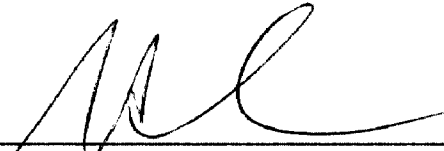
# ASSIGNMENT

(1) at  
on 6/15/2001

  
 \_\_\_\_\_  
 (Richard R. Hall)  
 First Name Middle Last Name

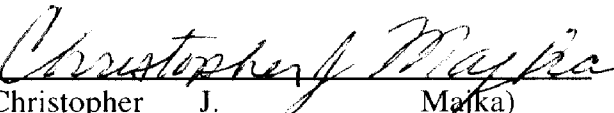
Signature  
Inventor

(2) at  
on 6/15/2001

  
 \_\_\_\_\_  
 (How T. Lin)  
 First Name Middle Last Name

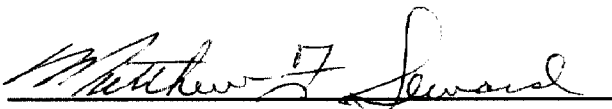
Signature  
Inventor

(3) at  
on 6/15/2001

  
 \_\_\_\_\_  
 (Christopher J. Majka)  
 First Name Middle Last Name

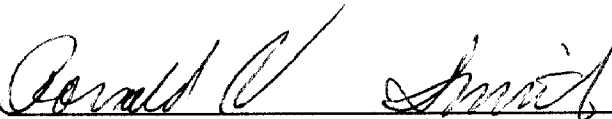
Signature  
Inventor

(4) at  
on 6/15/01 2001

  
 \_\_\_\_\_  
 (Matthew F. Seward)  
 First Name Middle Last Name

Signature  
Inventor

(5) at  
on 6/15/2001

  
 \_\_\_\_\_  
 (Ronald V. Smith)  
 First Name Middle Last Name

Signature  
Inventor