

6/29/03

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

1. Name of conveying party(ies):

- A) Frank W. Brice, Jr. \_\_\_\_\_ h) Ogochukwu Njoku-Charles \_\_\_\_\_
- b) Charles W. Gainey, Jr. \_\_\_\_\_ i) Kenneth J. Oakes \_\_\_\_\_
- c) Marten J. Halma \_\_\_\_\_ j) Dale F. Riedy, Jr. \_\_\_\_\_
- d) Eugene P. Hefferon \_\_\_\_\_ k) Charles E. Shapley \_\_\_\_\_
- e) Carol B. Hernandez \_\_\_\_\_ l) Gustav E. Sittmann \_\_\_\_\_
- f) Jeffrey P. Kubala \_\_\_\_\_ m) Leslie W. Wyman \_\_\_\_\_
- g) Tan Lu \_\_\_\_\_ n) Harry M. Yudenfriend \_\_\_\_\_

More names attached? \_\_\_Y \_\_\_X \_\_\_N

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

Name: INTERNATIONAL BUSINESS MACHINES CORPORATION  
Address: New Orchard Road  
Armonk, NY 10504

More names attached? \_\_\_Y \_\_\_X \_\_\_N

3. Nature of Conveyance:  x  Assignment

4. Application number:  10/435 773  Filed: May 12, 2003  
Filed with new application: \_\_\_ yes  X  no

Execution date(s):

- a) May 8, 2003 \_\_\_\_\_ h)  May 12, 2003
- b) May 9, 2003 \_\_\_\_\_ i)  May 8, 2003
- c) May 12, 2003 \_\_\_\_\_ j)  May 12, 2003
- d) May 12, 2003 \_\_\_\_\_ k)  May 8, 2003
- e) May 9, 2003 \_\_\_\_\_ l)  August 20, 2003
- f) May 8, 2003 \_\_\_\_\_ m)  May 9, 2003
- g) May 9, 2003 \_\_\_\_\_ n)  May 12, 2003

Additional numbers attached? \_\_\_Y \_\_\_X \_\_\_N

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

Name: Floyd A. Gonzalez  
IBM Corporation  
Intellectual Property Law  
2455 South Road, P386  
Poughkeepsie, New York 12601

6. Total # of applications and patents involved:  01

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

8. Charge to Deposit Account  
09-0463 (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.

Susan L. Nelson

*Susan L. Nelson*  
Signature

8/26/2003   
Date

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Total number of pages including cover sheet, attachments, and document:  10

Express Mail Label No. (if applicable):

Docket No.: POU920020140US1

# ASSIGNMENT

Whereas, we

- |      |  |  |
|------|--|--|
| (1)  | Frank W. Brice, Jr.<br>County of Ulster      | of Hurley<br>State of New York           |
| (2)  | Charles W. Gainey, Jr.<br>County of Dutchess | of Poughkeepsie<br>State of New York     |
| (3)  | Marten J. Halma<br>County of Dutchess        | of Poughquag<br>State of New York        |
| (4)  | Eugene P. Hefferon<br>County of Dutchess     | of Poughkeepsie<br>State of New York     |
| (5)  | Carol B. Hernandez<br>County of Dutchess     | of Poughkeepsie<br>State of New York     |
| (6)  | Jeffrey P. Kubala<br>County of Dutchess      | of Poughquag<br>State of New York        |
| (7)  | Tan Lu<br>County of Dutchess                 | of Poughkeepsie<br>State of New York     |
| (8)  | Ugochukwu Njoku-Charles<br>County of Bronx   | of Bronx<br>State of New York            |
| (9)  | Kenneth J. Oakes<br>County of Dutchess       | of Wappingers Falls<br>State of New York |
| (10) | Dale F. Riedy, Jr.<br>County of Dutchess     | of Poughkeepsie<br>State of New York     |
| (11) | Charles E. Shapley<br>County of Dutchess     | of Salt Point<br>State of New York       |
| (12) | Gustav E. Sittmann<br>County of St. Louis    | of Webster Groves<br>State of Missouri   |
| (13) | Leslie W. Wyman<br>County of Dutchess        | of Poughkeepsie<br>State of New York     |
|      | and  |  |
| (14) | Harry M. Yudenfriend<br>County of Dutchess   | of Poughkeepsie<br>State of New York     |

have invented certain improvements in

## MANAGING INPUT/OUTPUT SUBSYSTEM IMAGES OF AN INPUT/OUTPUT SUBSYSTEM

and executed a United States Patent Application therefor on

- (1) 5-8-2003, (2) 5/9/2003, (3) 5-12-2003, (4) 5/12/03,  
(5) \_\_\_\_\_, (6) 5-8-2003, (7) 5-9-2003, (8) 5-12-2003

(9) 5-8-2003, (10) 5-12-2003, (11) 5-8-2003, (12) \_\_\_\_\_,  
(13) 5-9-2003, and (14) 5-12-2003.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 the 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 Patents 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 Patents 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.

Signed

(1) at POUGHKEEPSIE, NY  
on 5-8-2003

Frank W. Brice, Jr.  
Frank W. Brice, Jr.

(2) at POUGHKEEPSIE, NY  
on 5/9/2003

Charles W. Gainey, Jr.  
Charles W. Gainey, Jr.

(3) at Poughkeepsie, NY  
on 5-12-03

Marten J. Halma  
Marten J. Halma

(4) at Poughkeepsie NY.  
on 5/12/03

Eugene P. Hefferon  
Eugene P. Hefferon

(5) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Carol B. Hernandez

(6) at Poughkeepsie NY  
on 5-8-2003

Jeffrey P. Kudala  
Jeffrey P. Kudala

(7) at Poughkeepsie NY  
on 5-9-2003

Tan Lu  
Tan Lu

(8) at Poughkeepsie NY  
on 5-12-2003

Ugochukwu Njoku-Charles  
Ugochukwu Njoku-Charles

(9) at Poughkeepsie NY  
on 5-8-2003

Kenneth J. Oakes  
Kenneth J. Oakes

(10) at Poughkeepsie NY  
on 5-12-2003

Dale F. Riedy, Jr.  
Dale F. Riedy, Jr.

(11) at Poughkeepsie NY  
on 5-8-2003

Charles E. Shapley  
Charles E. Shapley

(12) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Gustav E. Sittmann

(13) at Poughkeepsie NY  
on 5-29-03

(14) at POUGHEEPSIE NY  
on 5-12-2003

Leslie W. Wyman  
Leslie W. Wyman

Harry M. Yudenfriend  
Harry M. Yudenfriend

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914 432 7200 TO 88269334

P.02

IBM Docket No.: POU920020140US1  
Page 1 of 3

# ASSIGNMENT

Whereas, we

- (1) Frank W. Brice, Jr. of Hurley  
County of Ulster State of New York
- (2) Charles W. Gainey, Jr. of Poughkeepsie  
County of Dutchess State of New York
- (3) Marten J. Halma of Poughquag  
County of Dutchess State of New York
- (4) Eugene P. Hefferon of Poughkeepsie  
County of Dutchess State of New York
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County of Dutchess State of New York
- (6) Jeffrey P. Kubala of Poughquag  
County of Dutchess State of New York
- (7) Tan Lu of Poughkeepsie  
County of Dutchess State of New York
- (8) Ugochukwu Njoku-Charles of Bronx  
County of Bronx State of New York
- (9) Kenneth J. Oakes of Wappingers Falls  
County of Dutchess State of New York
- (10) Dale F. Riedy, Jr. of Poughkeepsie  
County of Dutchess State of New York
- (11) Charles E. Shapley of Salt Point  
County of Dutchess State of New York
- (12) Gustav E. Sittmann of Webster Groves  
County of St. Louis State of Missouri
- (13) Leslie W. Wyman of Poughkeepsie  
County of Dutchess State of New York
- (14) Harry M. Yudenfriend and  
County of Dutchess of Poughkeepsie  
State of New York

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IBM Docket No.: POU920020140US1  
Page 2 of 3

(9) 5-8-2003, (10) \_\_\_\_\_, (11) \_\_\_\_\_, (12) \_\_\_\_\_,  
(13) 5-9-2003, and (14) \_\_\_\_\_.

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Signed

- (1) at Poughkeepsie, NY  
on 5-8-2003
- (2) at Poughkeepsie, NY  
on 5/9/2003
- (3) at \_\_\_\_\_  
on \_\_\_\_\_
- (4) at \_\_\_\_\_  
on \_\_\_\_\_
- (5) at Somers, NY  
on 5/9/2003
- (6) at Poughkeepsie NY  
on 5-8-2003
- (7) at Poughkeepsie NY  
on 5-9-2003
- (8) at \_\_\_\_\_  
on \_\_\_\_\_
- (9) at Poughkeepsie NY  
on 5-8-2003
- (10) at \_\_\_\_\_  
on \_\_\_\_\_
- (11) at \_\_\_\_\_  
on \_\_\_\_\_
- (12) at \_\_\_\_\_  
on \_\_\_\_\_

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- Charles W. Gainey, Jr.  
Charles W. Gainey, Jr.
- \_\_\_\_\_  
Marten J. Halma
- \_\_\_\_\_  
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Page 3 of 3

(13) at Poughkeepsie NY  
on 5-9-03

Leslie W. Wyman  
Leslie W. Wyman

(14) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Harry M. Yudenfriend

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on 5/12/03

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Eugene P. Hefferon

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on \_\_\_\_\_

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Carol B. Hernandez

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on \_\_\_\_\_

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Charles E. Shapley

(12) at Webster Groves MO  
on 8-20-2003

Gustav E. Sittmann  
Gustav E. Sittmann

(13) at Poughkeepsie NY  
on 5-9-03

Leslie W. Wyman  
Leslie W. Wyman

(14) at POUGHKEEPSIE, NY  
on 5-12-2003

Harry M. Yudenfriend  
Harry M. Yudenfriend