

4/3/02

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cket No.: YO9-2001-0577US1 (728-224)

1. Name of conveying party(ies):  
Louis L. HSU  
Gregory John FREDEMAN  
Rajiv V. JOSHI  
Toshiaki KIRIHATA  
Additional name(s) of conveying party(ies) attached?  
☐ yes ☒ no

2. Name and address of receiving party(ies):  
Name: International Business Machines Corporation

Internal Address:  
Street Address: New Orchard Road  
City: Armonk  
Country/State/Zip: New York 10504

3. Nature of Conveyance  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 03/26/02, 03/27/02, 04/03/02, 03/27/02

Additional names and addresses 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 04/03/02;

A. Patent Application No.(s)  
N/A

B. Patent No.(s):  
N/A

Additional numbers attached? ☐ Yes ☒ No

10/115348

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

Name: Paul J. Farrell, Esq.  
Internal Address: Dilworth & Barrese, LLP  
Street Address: 333 Earle Ovington Boulevard  
City: Uniondale State: NY ZIP: 11553

6. Total number of applications and patents involved:  
[1]

7. Total fee (37 C.F.R. 3.41) . . . . . \$ 40.00  
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Paul J. Farrell, Esq.  
Name of Person Signing  
Reg. No. 33,494

*Paul J. Farrell*  
Signature

April 3, 2002  
Date

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For: ☒ U.S. Application or ☐ U.S. Patent  
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**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S): **Louis L. Hsu, Gregory John Fredeman, Rajiv V. Joshi and Toshiaki Kiriata**

*(inventor(s) or person(s) or entity(ies)  
who own the invention)*

*(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)*

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

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hereby sells, assigns and transfers to

ASSIGNEE:

International Business Machines Corporation  
(Type or print name of ASSIGNEE)

New Orchard Road  
Armonk, New York 10504  
Address

U.S.A.  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE *(complete one of the following)*

- ☒ the entire right, title and interest
- ☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

*(check the following box if foreign rights)*

(Assignment of Invention [16-3] - page 1 of 3)

☒

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**FLEXBILE ROW REDUNDANCY SYSTEM**

*(check and complete (a), (b), (c) or (d))*

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☒ U.S. patent application executed on \_\_\_\_\_

(c) ☐ U.S. application serial no. 0 / \_\_\_\_ filed on  
\_\_\_\_\_

(d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_

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*(also check (e) if foreign application(s) is also being assigned)*

(e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof

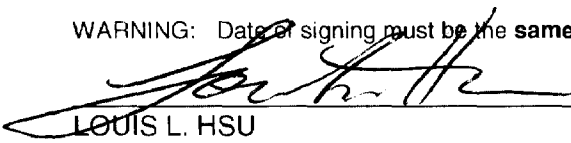
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; Assignment of Invention [16-3] - page of 3)


ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

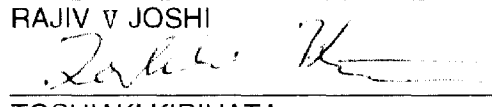
(Assignment of Invention [16-3] - page 2 of 3)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this \_\_\_\_\_  
(Date of signing).

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 3-26-02  
\_\_\_\_\_  
LOUIS L. HSU Dated

 3-27-02  
\_\_\_\_\_  
GREGORY JOHN FREDEMAN Dated

RAJIV V JOSHI  
 3-27-02  
\_\_\_\_\_  
TOSHIAKI KIRIHATA Dated

(Assignment of Invention [16-3] - page 3 of 3)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this \_\_\_\_\_  
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\_\_\_\_\_  
LOUIS L. HSU Dated

\_\_\_\_\_  
GREGORY JOHN FREDEMAN Dated

*Rajiv V. Joshi*  
RAJIV V. JOSHI *April 3, 2002*  
Dated

\_\_\_\_\_  
TOSHIAKI KIRIHATA Dated

(Assignment of Invention [16-3] - page 3 of 3)