

Form PTO 1595

06-26-2001

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LOUIS L. HSU; RAJIV V. JOSHI; CARL RADENS;
JACK A. MANDELMAN; AND TSORNG-DIH YUAN

101760946

Name of receiving party(ies)

Name: IBM CORPORATION

Street Address: New Orchard Road

City: Armonk State: NY Zip: 10504

Additional name(s) of conveying party(ies)
attached? Yes X No

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

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Execution Dates: January 30, 2001; February 6, 2001; January 30, 2001; January 30, 2001; and January 31, 2001

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: _____

- A. Patent Application No. (s) 09/769,080 Filed on January 25, 2001
- B. Patent No. (s) _____

Additional numbers attached? Yes X No

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: New York Zip: 11553

6. Total number of applications and
patents involved 1

7. Total fee (37 CFR 3.41) \$ 40.00
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6/15/01
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PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By : Inventor(s) or Present Owner

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; RAJIV V. JOSHI; CARL RADENS;
 JACK A. MANDELMAN; and TSORNG-DIH YUAN**

(Inventor(s) or
person(s) or entity(es)
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 _____

Frame _____

hereby sells, assigns and transfers to

ASSIGNEE:

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

New Orchard Road
Address

Armonk, New York 10504

U.S.A.
Nationality

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

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 are also to be assigned)

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:

METHOD AND APPARATUS FOR ALIGNING THE FRONT AND BACK SIDES OF A SUBSTRATE

(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 9/769,080** filed on **January 25, 2001**
(d) U.S. provisional application No. **60/**
filed on _____
(e) U.S. Patent No. _____ issued
(f) PCT application No. _____
filed on _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

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

(g) 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, continuation-in-part, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

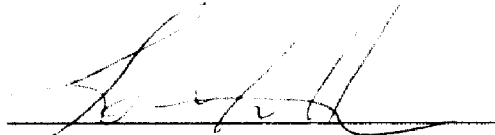
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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

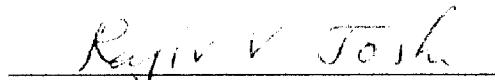
IN WITNESS WHEREOF, I/We have hereunto set hand and seal this _____
(Date of signing).

WARNING: Date of signing must be the **same** as the date of execution of the application if item (a) was checked above.



LOUIS L. HSU

1-30-2001
Dated



RAJIV V. JOSHI

2/06/01
Dated



CARL RADENS

1-30-2001
Dated



JACK A. MANDELMAN

1-30-01
Dated



TSORNG-DIH YUAN

1-31-01
Dated

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person
authorized to sign on behalf of ASSIGNOR

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.