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IBM Docket No.: BU9-99-075

To the Honorable Commissioner of Patents

original documents or copy thereof.



1. Name of conveying party(ies):

101077784

Address of receiving party(ies):

Mark C. Hakey
William Hsioh-Lien Ma

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Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

Additional Name(s) & Address(es) attached?

[] Yes [X] No

3. Nature of Conveyance:

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

Execution Date: 6/16/99, 6/07/99

4. Application number(s) or patent number(s):

09/334801

Title of Application: METHOD OF FABRICATING STRUCTURE FOR CHIP MICRO-JOINING

If this document is being filed together with a new application, the execution date of the application is: 6/16/99, 6/07/99, 19__.

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: DeLIO & PETERSON, LLC
Street Address: 121 Whitney Avenue
City: New Haven State: CT
Zip Code: 06510-1241

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

7. Total Fee (37 CFR 3.41) \$40.00
[] Enclosed
[X] Authorized to be charged to Deposit Account number below
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8. Assignee IBM Corporation Deposit Account Number:

09-0456

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PATENT
REEL: 010044 FRAME: 0650

10525 U.S. P.T.O.
09/334801
06/16/99

ASSIGNMENT

Whereas, we

Inventor and
City

(1) **Mark C. Hakey**
County of **Franklin**

City of **Fairfax**
and State of **Vermont**

and

(2) **William Hsioh-Lien Ma**
County of **Dutchess**

City of **Fishkill**
and State of **New York**

Title

have invented certain improvements in
**METHOD OF FABRICATING STRUCTURE FOR
CHIP MICRO-JOINING**

Date That
Inventors
Signed the
Declaration

and have executed, respectively, a United States patent application therefor on
(1) 6/16, 1999, and (2) 6/17, 1999.

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 invention set forth in said application 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.

City (1) Signed at Essex Jct, Vermont State _____
 Date on 6/16, 1999 Mark C. Hakey signature
 Mark C. Hakey
 City (2) Signed at Fishkill State NY
 Date on 6/17, 1999 William Hsioh-Lien Ma signature
 William Hsioh-Lien Ma

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