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To the Honorable Commissioner of Pater

12-29-1998



100930687

U. S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attached original documents or copy thereof

1. Name of conveying party(ies):

Wesley M. Enroth
George D. Oxx, Jr.
Jenny B. Porter

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

3. Nature of conveyance:

☒ Assignment
 ☐ Merger
☐ Security Agreement
 ☐ Change of Name
☐ Other

Execution Date: 11/19/98, 11/20/98

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

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

If this document is being filed together with a new application, the execution date of the application is: 11/19/98, 11/20/98

A. Patent Application No.(s)

B. Patent No.(s)

EN998072

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Michael F. Hoffman**

Internal Address:

Schmeiser, Olsen & Watts

Street Address **3 Lear Jet Lane - Suite 201**

City: Latham State: NY ZIP: 12110

6. Total number of applications and patents involved:

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)

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

Name of Person Signing

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

REEL: 9659 FRAME: 0123

ASSIGNMENT

Whereas, We

(1) Wesley M. Enroth
County of Iredell

City of Mooresville
and State of North Carolina

(2) George D. Oxx, Jr.
County of Cabarrus

City of Concord
and State of North Carolina

(3) Jenny B. Porter
County of Mecklenburg

City of Charlotte
and State of North Carolina

have invented certain improvements in a:

WAVE SOLDER APPLICATION FOR BALL GRID ARRAY MODULES

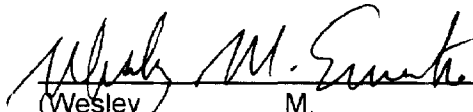
and executed, respectively, a United States patent application therefor on

(1) Nov 19, 1998 1998; (2) Nov. 20, 1998 1998;
(3) Nov. 19, 1998 1998.

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;

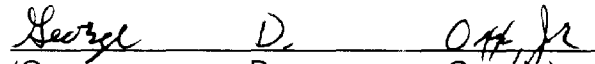
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) at Charlotte, N.C.
on Nov. 19 1998


(Wesley M. Enroth)
First Name Middle Last Name

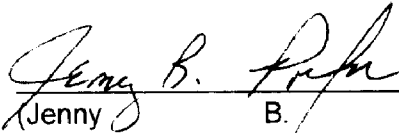
Signature
Inventor

(2) at CHARLOTTE, N.C.
on Nov. 20 1998


(George D. Oxx, Jr.)
First Name Middle Last Name

Signature
Inventor

(3) at *CHARLOTTE, N.C.*
on *Nov. 19*, 1998

		
Jenny	B.	Porter)
First Name	Middle	Last Name

Signature
Inventor