

10-18-1999

FORM PTO-1595 (Modified)
(Rev. 8-93)
OMB No. 0651-0011 (exp. 4/94)
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10-7-99



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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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):
**Panayotis Andricacos, James E. Fluegel, John G. Gaudiello,
Ronald D. Goldblatt, Sandra G. Malhotra, Milan Paunovic**

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 names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **10/1, 9/21, 10/4, 10/1, 9/21, 9/21/99**

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: **10/1, 9/21, 10/4, 10/1, 9/21, 9/21/99**

A. Patent Application No.(s)

EXPRESS MAIL NO. **EL42475392005**
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 APPLICANT AND/OR ATTORNEY REQUESTS THE DATE OF DEPOSIT AS THE FILE DATE.

DATE OF DEPOSIT: **10/7/99**

BY SIGNATURE & DATE: *[Signature]*

Additional numbers attached? Yes No

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

Name: **Brinks Hofer Gilson & Lione**

Internal Address:

Street Address: **P.O. Box 10395**

City: **Chicago** State: **IL** ZIP: **60610**

6. Total number of applications and patents involved: **1**

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:

09-0458 FI(483)

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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.

Jay H. Anderson Reg. # 38,371

[Signature]

7 October 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **3** PATENT

IBM Docket No.: FI9-99-125

ASSIGNMENT

Whereas, we

Inventor and City	(1) Panayotis Andricacos County of Westchester	City of Croton-on-Hudson and State of New York
and	(2) James E. Fluegel County of Dutchess	City of Tivoli and State of New York
and	(3) John G. Gaudiello County of Dutchess	City of Poughkeepsie and State of New York
and	(4) Ronald D. Goldblatt County of Westchester	City of Yorktown Heights and State of New York
and	(5) Sandra G. Malhotra County of Dutchess	City of Beacon and State of New York
and	(6) Milan Paunovic County of Nassau	City of Port Washington and State of New York
and	(7) County of	City of and State of
and	(8) County of	City of and State of

have invented certain improvements in

Title COPPER SEED LAYER REPAIR TECHNIQUE USING ELECTROLESS TOUCH-UP

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) 10/01/99	and,	(2) 9/21/99	and,
(3) 10/4/99	and,	(4) 10/1/99	and,
(5) 9/21/99	and,	(6) 9/21/99	and,
(7)	and,	(8)	

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.

(Signatures of Inventors on Page 2)

PATENT
REEL: 010306 FRAME: 0409

IBM Docket No.:
FI9-99-125

ASSIGNMENT (Continued)

Title
COPPER SEED LAYER REPAIR TECHNIQUE USING ELECTROLESS TOUCH-UP

City Date (1) Signed at East Fishkill on 10/11/1999
Panayotis Andricacos
(Signature of Inventor)

Panayotis Andricacos
(Typed Name of Inventor)

City Date (2) Signed at EAST FISHKILL on 9-21-99
James E. Fluegel
(Signature of Inventor)

James E. Fluegel
(Typed Name of Inventor)

City Date (3) Signed at EAST FISHKILL on 10/1/99
John G. Gaudiello
(Signature of Inventor)

John G. Gaudiello
(Typed Name of Inventor)

City Date (4) Signed at East Fishkill on 10/1/99
Ronald D. Goldblatt
(Signature of Inventor)

Ronald D. Goldblatt
(Typed Name of Inventor)

City Date (5) Signed at East Fishkill, 9-21-99 on
Sandra G. Malhotra
(Signature of Inventor)

Sandra G. Malhotra
(Typed Name of Inventor)

City Date (6) Signed at East Fishkill, 9/21/99 on
Milan Paunovic
(Signature of Inventor)

Milan Paunovic
(Typed Name of Inventor)

City Date (7) Signed at on

(Signature of Inventor)

(Typed Name of Inventor)

City Date (8) Signed at on

(Signature of Inventor)

(Typed Name of Inventor)