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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No. ROC920030078US1

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102522651

To the Assistant Commissioner for Pat   ~~ients or copy thereof.~~

1. Name of conveying party(ies): Gerald Keith Bartley and Darryl John Becker	2. Name and address of receiving party(ies):
Additional names of conveying party(ies) attached? ☐ yes ☒ no *7-31-03*	Name: International Business Machines Corporation Internal Address:
3. Nature of Conveyance ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other _____ Execution Date: July 29, 2003, and July 29, 2003	Street Address: New Orchard Road City _____ Armonk _____ State _____ New York _____ Zip _ 10504 _ Additional name(s) & address(es) attached? ☐ yes ☒ no

10/632183   07/31/03

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

TITLE: CUSTOMIZED MESH PLANE, METHOD AND COMPUTER PROGRAM PRODUCT FOR CREATING CUSTOMIZED MESH PLANES WITHIN ELECTRONIC PACKAGES

If this document is being filed together with a new application, the execution date of the application is _____.

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

Docket ROC920030078US1

B. Patent No(s).

10/632183

Additional numbers attached? ☐ Yes ☒ No

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

Robert R. Williams
IBM Corporation - Dept. 917
3605 Highway 52 North
Rochester, MN 55901 | 6. Total number of applications and patents involved:___1___

7. Total fee (37 CFR 3.41): $ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account
  ☒ Total fee due
    ☒ Any deficiencies in the enclosed fees

8. Deposit account number:

  09-0465

(Attach duplicate copy of this page if paying by deposit account) |

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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.

Robert R. Williams #48,395	*Robert R Williams*	7-31-03
Name of Person Signing	Signature	Date

Total number of pages comprising cover sheet: _3_

08/12/2003 GTOM11 00000102 090465 10632183
01 FC:8021   40.00 BA

**PATENT
REEL: 014370 FRAME: 0600**

ASSIGNMENT

Whereas, we

(1) Gerald Keith Bartley   City of Rochester,
     County of Olmsted   and State of Minnesota,

(2) Darryl John Becker   City of Rochester,
     County of Olmsted   and State of Minnesota,

have invented certain improvements in

CUSTOMIZED MESH PLANE, METHOD AND COMPUTER PROGRAM PRODUCT FOR CREATING CUSTOMIZED MESH PLANES WITHIN ELECTRONIC PACKAGES

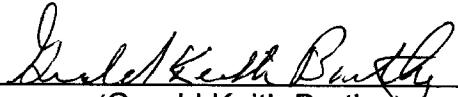and have executed, respectively, a United States patent application therefor on

Dates Inventors
Signed
Declaration   (1) July 29   , 2003   (2) July 29   , 2003

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;
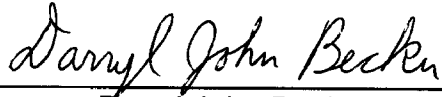
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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.

Signed

Inventor (1)	at Rochester, Minnesota	_(Gerald Keith Bartley)_ First Name Initial Last Name	Inventor Signature
	on 7-29 , 2003.		
Inventor (2)	at Rochester, Minnesota	_(Darryl John Becker)_ First Name Initial Last Name	Inventor Signature
	on 7/29 , 2003.		