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To the Honorable Commissioner of Patents and Trademarks: P	lease record the attached original documents or copy thereof.
Name of conveying party(ies): Russell M. Pon; Rajesh S. Patel; James M. Bovatsek; Jeffrey A. Schuster; Geoffrey K. McKinley; Sze-The Young Additional name(s) of conveying party(ies) attached? Yes _X_No	2. Name and address of receiving party(ies): Name: Aradigm Corporation Internal Address: Street Address: 3929 Point Eden Way
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date: December 6, 1999	Street Address: 3929 Point Eden Way Company City: Hayward State: CA ZIP: 94545 Additional name(s) & address(es) attached? YesX_ No
 4. Application numbers(s) or patent number(s): If this document is being filed together with a new application No.(s) 09/330,254 	cation, the execution date of the application is: B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: _1
Name: Karl Bozicevic Street Address: BOZICEVIC, FIELD, & FRANCIS LLP 285 Hamilton Avenue, Suite 200 Palo Alto, California 94301 Telephone: (650) 327-3400 Facsimile: (650) 327-3231	7. Total fee (37 CFR 3.41): \$40.00 _X_ Enclosed Authorized to be charged to deposit account 8. Deposit Account No. 50-0815
/17/1999 BNGUYEN 00000300 09330254	The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 50-0815 with regards to this correspondence.
FC:581 40.00 0P DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoin of the original document. Karl Bozicevic, Reg. No. 28,807 Name of Person Signing Signature	ng information is true and correct and any attached copy is a true copy

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ASSIGNMENT OF APPLICATION (JOINT)

Address to: Box Assignment **Assistant Commissioner for Patents** Washington, D.C. 20231

Attorney Docket Number	AERX-030
First Named Inventor	Russell M. Pon et al.
Application Number	09/330,254
Filing Date	June 10, 1999
Title	Method and Device in a Material
Group Art Unit	3761
Examiner Name	To Be Assigned

THIS ASSIGNMENT, by Russell M. Pon, Raicsh S. Patel, James M. Boyatsek, Jeffrey A. Schuster, Geoffrey K. McKinley and Sze-the Young (hereinafter referred to as the assignors), residing at 2222 Marigold Street, Danville, California 94506, 3866 Cardinal Terrace, Fremont, California 94555, 146 Lily Blossom Ct., San Jose, California 95123, 5 El Portal Court, Berkeley, California 94708, 3737 Middlefield Road, Palo Alto, California 94303 and 1200 Valley Quail Circle, San Jose, California 95120-4140 respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in METHOD AND DEVICE FOR NON-DESTRUCTIVE ANALYSIS OF PERFORATIONS IN A MATERIAL

X for which an application for a United States Patent was filed on home 10, 1999 Application No. 09/330.254

for which an application for a United States Patent was executed on _____, and

WHEREAS, Aradigm Corporation a corporation duly organized under and pursuant to the laws of California, and having its principal place of business at 3929 Point Eden Way, Hayward, California 94545 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1,00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful anthority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignce, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignce as the assignce of said invention and the Letters Patent to be issued thereon for the sole use and behoof of said assignee, its successors, legal representatives and assigns.

Date Dec 6, 1999 Name of Inventor Amellanda

REEL: 010441 FRAME: 0899

Date	Name of Inventor Patrick Rajoch S. Pitel
Date Of Dec 99	Name of Inventor
Detc 0606099	Name of Inventor Jeffrey & Schuster
Date 06 DEC 99	Name of Inventor George K. McKinley
Dette <u>66 DCC 99</u>	Name of Inventor

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RECORDED: 12/10/1999

PATENT REEL: 010441 FRAME: 0900