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FORM PTO-1595 (Rev. 6-93) DMB No. 0651-0011 (exp. 4/94) Docket No.: RO997-158 / 10790.109US01	U.S. DEPARTMENT OF COMMERCE Patch and Trademark Office
To the Commissioner of Patents and Trademarks: Please record the at 1. Name of conveying party(ies):	ached original documents or copy thereof. 2. Name and address of receiving party(ies):
Grant Stolpe Christiansen Donald Earl Vosberg	INTERNATIONAL BUSINESS MACHINES CORPORATI Old Orchard Road Armonk, New York 10504
Additional name(s) of conveying party(ies) attached? Yes N	Additional name(s) & address(es) attached? ☐ Yes ☒ No
Assignment	er 27, 1997
	new application, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
08/962,627	
	Additional numbers attached? Yes No
Name and address of party to whom correspondent should be mailed:	ndence concerning 6. Total number of applications and patents involved: 1
Name: David W. Lynch Address: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A. 3100 Norwest Center 90 South Seventh Street	 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725
Minneapolis, MN 55402-4131	
	DO NOT USE THIS SPACE
9. Statement and signature:	
To the best of my knowledge and belief, the original document.	Foregoing information is true and correct and any attached copy is a true copy of the
David W. Lynch	September 8, 1998
Name of Person Signing	Signature Date Total number of pages including cover neet, attachments, and document:
	8
Mail documents to be recorded with required cover she	Do not detach this portion et information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

REEL: 9459 FRAME: 0220

ASSIGNMENT

WHEREAS, WE, GRANT STOLPE CHRISTIANSEN, and DONALD EARL VOSBERG, residing at 423 28th Street Southwest, Rochester, Minnesota 55902, and 6435 10th Street Southwest, Rochester, Minnesota 55902, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States filed herewith which is entitled METHOD AND APPARATUS FOR PERFORMING DIGITAL THERMAL ASPERITY DETECTION.

AND WHEREAS, <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>New York</u>, and having an office and place of business at <u>Old Orchard Road</u>, <u>Armonk</u>, <u>New York 10504</u>, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor:

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and my/we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Date	Grant Stolpe Christiansen

Page 1 IBM R0997-158 M&G 10790.109US01 Assignment

PATENT REEL: 9459 FRAME: 0221

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Date	Grant Stolpe Christiansen
10 /2 9 / 1997 Date	Donald Earl Vosberg Donald Earl Vosberg

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RECORDED: 09/22/1998