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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): Craig N. Fukushima and Scott A. Tho Additional name(s) of conveying party(ies) atYes No 1. Name of conveying party(ies): Additional name(s) of conveying party(ies) atYes No 2. 3. Nature of conveyance Assignment Merge Security Agreement Chang Other Execution Date: 9/18/2002 and 9/24/2	r e of Name	2. Name and address of receiving party(ies) Name: International Business Machines Corp. Internal Address: Street Address: New Orchard Road City: Armonk State: NY Zip: 10504 Country: USA Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application, the execution date of the application is: September 18, 2002 and September 24, 2002		
A. Patent Application No.(s)		B. Patent No.(s)
Additional numbers attached? Yes _x No		
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:
Name: <u>Walter W. Duft</u>		7. Total fee (37 C.F.R. 3.41)\$ <u>40.00</u> Enclosed
Internal Address: <u>Same as below</u>		<u>x</u> Authorized to be charged to deposit account
Street Address: 10255 Main Street, Suite 10		Deposit account number:
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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. Walter W. Duft Name of Person Signing Signature October 1, 2002 Date		

Mail documents to be recorded with required cover sheet information to: COMMISSIONER OF PATENTS AND TRADEMARKS, BOX ASSIGNMENTS WASHINGTON, D.C. 20231

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

Docket: SJ0920010179US1

Whereas, we

INVENTOR AND CITY

(1) Craig N. Fukushima County of Santa Clara (2) Scott A. Thomas County of Santa Clara

of Monte Sereno, and State of Califonia,

> of San Jose, and State of California,

have invented certain improvements in

WRITING DISTINCT SERVO PATTERNS ON INDIVIDUAL TRANSDUCERS ACCORDING TO TRANSDUCER READ/WRITE HEAD CHARACTERISTICS IN A DATA STORAGE DEVICE

DATES THAT and executed, respectively, a United States patent application therefor on INVENTORS INVENTORS SIGNED THE (1) $\frac{9}{18}$, 2002, (2) $\frac{9}{24}$, 2002, APPLICATION

> 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 inventions 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 and sealed

CITY

on 9/14, 2002, Church Julium SIGNATURE INVENTOR

CITY

DATE

DATE

and (2) at San Juse Scott a. Thomas SIGNATURE INVENTOR

RECORDED: 10/01/2002

PATENT REEL: 013357 FRAME: 0574