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FORM PTO-1595 (Modified)

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Docket No.: Q98-1078-US1

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.

Name of conveying party(ies):     BRUCE BUCH	Name and address of receiving party(ies):  Name: QUANTUM CORPORATION	
	Internal Address: PATENT DEPARTMENT	
Additional names(s) of conveying party(ies)	MAIL STOP 62747	
3. Nature of conveyance:		
🛛 Assignment 🔲 Merger	Street Address: 500 MCCARTHY BLVD.	
☐ Security Agreement ☐ Change of Name		
☐ Other	City: MILPITAS State: CA ZIP: 95035	
Execution Date: 2/15/99	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:	
A. Patent Application No.(s)	B. Patent No.(s)	
09/225,256 01/04/99		
Additional numbers attached?   Yes  No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: CHARLOTTE BOWERS	7. Total fee (37 CFR 3.41):\$ 40.00	
Internal Address: PATENT DEPARTMENT	☐ Enclosed - Any excess or insufficiency should be	
M/S 62747	credited or debited to deposit account	
	Authorized to be charged to deposit account	
Street Address: 500 MCCARTHY LVD	8. Deposit account number:	
03/30/1999 DNGUYEN 00000323 500283 09225258 01 FC:581 40.00 CH	50-0283	
City: MILPITAS State: CA ZIP: 95035		
DO NOT USE THIS SPACE		
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.  JONATHAN B. PENN (REG. NO.  MARCH 15, 1999		
32,587) Name of Person Signing Signature Date  Total number of pages including cover sheet, attachments, and document:		

PATENT REEL: 9847 FRAME: 0049

## PATENT ASSIGNMENT

WHEREAS I, BRUCE BUCH, a citizen of United States of America, residing at 21 Old Nourse Street, Westboro, MA 01581, have invented improvements for a certain new and useful "SERVO AREA NUMBERING STRATEGY FOR COMPUTER DISK DRIVES", for which we have filed on January 4, 1999, serial number, 09/225,256 for Letters Patent to the United States Patent and Trademark Office; and

WHEREAS, QUANTUM CORPORATION, a corporation existing under the laws of the State of Delaware and doing business at 500 McCarthy Blvd., Milpitas, California 95035, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent application,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, BRUCE BUCH have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over unto the said QUANTUM CORPORATION, its successors, legal representatives and assigns our entire right, title and interest in, to and under the said invention and the said application for Letters Patent executed on January 4, 1999 date herewith, a copy of which as filed in the United States Patent and Trademark Office is contained in a file marked "Attorney Docket No. Q98-1078-US1" in the Corporate Patent Department of the said Quantum Corporation, and all divisions, continuations and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all applications for Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and to all extensions, renewals and reissues thereof, and to all reexamination certificates issued thereon, and the right to claim priority under the International Convention for the Protection of Industrial Property; and, We hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said QUANTUM CORPORATION, its successors, legal representatives and assigns, in accordance with this instrument.

AND We hereby covenant that We have the full right to convey the entire interest herein assigned, and that We have not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 9847 FRAME: 0050 AND We hereby further covenant and agree that We will communicate to the said QUANTUM CORPORATION, its successors, legal representatives and assigns, any facts known to us respecting said invention and said applications, and testify in any legal proceedings, execute all lawful papers, make all rightful oaths and generally do everything possible to aid the said QUANTUM CORPORATION, its successors, legal representatives and assigns to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, We have hereunto set our hands on the date set out adjacent to our names hereinbelow.

Date:	2/15/99	12/20
		BRUCE BUCH

Commonwealth of Massachusetts )

County of Worcester )

On this 15<sup>th</sup> day of Tabruary 1999, before me, Carrie Jupin, the undersigned Notary Public, personally appeared BRUCE BUCH, being personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or entity upon behalf of which the person acted, executed the instrument. Witness my hand and seal.

CARRIE JUPIN

Notary Public

My Commission Expires May 21, 2004

**RECORDED: 03/18/1999** 

, Notary Public