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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):  
Peter McEwen; Murat Erkocevic  
Additional name(s) of conveying party(ies)?  No

2. Name and address of receiving party(ies)  
  
Name: **Quantum Corporation**  
Internal Address: **Patent Department**  
**Mail Stop 22538**  
**500 McCarthy Blvd.**  
**Milpitas, CA 95035**  
  
Additional name(s) & Address(es) attached? No

3. Nature of conveyance:  
 Assignment  Merge  
 Security Agreement  Change of Name

Execution Date:  
June 15, 1999

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: June 15, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09 346764

Additional numbers attached?  Yes  No

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

Name: **Charlotte Bowers**  
Internal Address: **Patent Dept. Administrator**  
**Mail Stop 22538**  
**QUANTUM CORPORATION**  
**500 McCarthy Blvd.**  
**Milpitas, CA 95035**

6. Total number of applications involved: 1

7. Total fee (37 CFR 3.41).....\$ 40

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 50-0283

(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 information is true and correct and any attached copy is a true copy of the original document

John C. Chen  
Name of Person Signing  
(Reg. 39136)

Signature

June 29, 1999  
Date

Mail Document to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

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**PATENT ASSIGNMENT**

WHEREAS We, PETER MCEWEN, a citizen of the United States of America, residing at 450 Oak Grove Drive #216, Santa Clara, CA 95054 and MURAT ERKOCEVIC, a citizen of Bosnia and Herzegovina, residing at 3374 Mira Vista Circle, San Jose, CA 95132 have invented improvements for a certain new and useful METHOD FOR REDUCING DATA OVERHEAD IN PRML DATA CHANNEL, for which we are filing an application for Letters Patent to the United States Patent and Trademark Office, said application having been executed by me on 6/15/97; 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 each of us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, PETER MCEWEN and MURAT ERKOCEVIC 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 assign my entire right, title and interest in, to and under the said invention and the said application for Letters Patent executed on even date herewith, a copy of which as filed in the United States Patent and Trademark Office is contained in a file marked "Docket No. Q99-1009-US1" in the Corporate Legal Department of the said Quantum Corporation, any provisional applications upon which said application for Letters Patent is based upon, 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 each of us has the full right to convey his entire interest herein assigned, and that each of us has not executed, and will not execute, any agreement in conflict herewith.

AND hereby further covenant and agree that each of us will communicate to the said QUANTUM CORPORATION, its successors, legal representatives and assigns, any facts known to him 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, the undersigned have hereunto set our hands and seals on the date set out adjacent to our name herein below.

*[Signature]*  
Peter McEwen

Date: *6/15/99*  
*[Signature]*  
Murat Erkocevic

Date: *6/15/99*

State of California  
County of Santa Clara

On *June 15, 1999* before me, *Madelynn N. Rivera* the undersigned Notary Public, personally appeared Peter McEwen and Murat Erkocevic being personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  
Witness my hand and seal.



*[Signature]*  
Notary Public