

10-21-1999

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp.4/94)  
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P08A/REV02



HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101178842

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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):  
**ARA PATAPOUTIAN, BA-ZHONG SHEN, PETER MCEWEN, AND MICHAEL LEIS**

2. Name and address of receiving party(ies):

Name: QUANTUM CORPORATION

Address: PATENT DEPARTMENT

M/S 62747

500 MCCARTHY BLVD.

City: MILPITAS

State/Prov.: CA

Country: US

ZIP: 95035

Additional names(s) of conveying party(ies)  Yes  No

Additional name(s) & address(es)  Yes  No

3. Nature of conveyance: MPD 10-13-99

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 8/31/99; 9/1/99; 9/2/99; 9/16/99

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: \_\_\_\_\_

Patent Application No. \_\_\_\_\_ Filing date \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers

Yes  No

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

Name: JOHN C. CHEN

Registration No. 39,136

Address: QUANTUM CORPORATION

PATENT DEPARTMENT

500 MCCARTHY BLVD.

City: MILPITAS State/Prov.: CA

Country: US ZIP: 95035

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

50-0283

10/21/1999 NTHA11 00000087 500283 09418210

DO NOT USE THIS SPACE

09.581 40.00 CH  
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.

JOHN C. CHEN

Name of Person Signing

Signature

OCTOBER 13, 1999



Date

Total number of pages including cover sheet, attachments, and

**PATENT ASSIGNMENT**

WHEREAS We, Ara Patapoutian, a citizen of the United States of America, residing at 5 Jasper Street, Westborough, MA 01581, Ba-Zhong Shen, a citizen of China, residing at 50-211 Commons Drive, Shrewsbury, MA 01545, Peter McEwen, a citizen of the United States of America, residing at 450 Oak Drive #216, Santa Clara, CA 95054, and Michael Leis, a citizen of the United States of America, residing at 177 Edmands Road, Framingham, MA 01710 have invented improvements for a certain new and useful "DETECTING ERRORS IN CLOSED BIT STRINGS", 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 \_\_\_\_\_; 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,

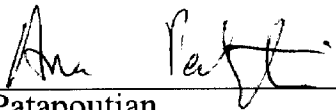
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, Ara Patapoutian, Ba-Zhong Shen, Peter McEwen and Michael Leis have sold, assigned, transferred, and set over, and by 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. Q99-1114-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.

  
Ara Patapoutian


Date: 1/9/99

State of Massachusetts

County of Worcester

On September 1, 1999 before me, Carrie Jupin, the undersigned Notary Public, personally appeared Ara Patapoutian 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.

CARRIE JUPIN  
Notary Public  
My Commission Expires May 21, 2004

  
Notary Public

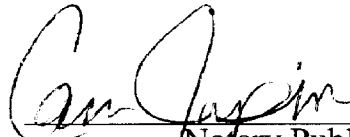
  
Ba-Zhong Shen

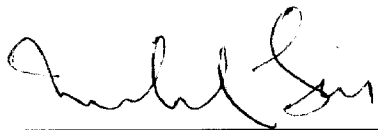
Date: 8/31/99

State of Massachusetts  
County of Worcester

On August 31, 1999 before me, Carrie Jupin, the undersigned Notary Public, personally appeared Ba-Zhong Shen 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.

CARRIE JUPIN  
Notary Public  
My Commission Expires May 21, 2004

  
Notary Public



Michael Leis

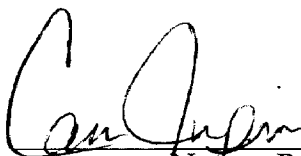
Date: 9/2/99

State of Massachusetts

County of Worcester

On September 2, 1999 before me, Carrie Jupin, the undersigned Notary Public, personally appeared Michael Leis 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.

CARRIE JUPIN  
Notary Public  
My Commission Expires May 21, 2007

  
Notary Public

*[Handwritten signature]*

Peter McEwen

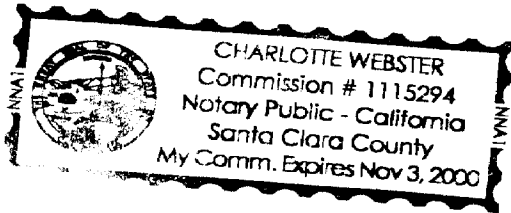
Date:

State of California

County of Santa Clara

On 9/16/99 before me, Charlotte Webster, the undersigned Notary Public, personally appeared Peter McEwen 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.



Charlotte Webster  
Notary Public