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ocket No.: Q00-1056-US1

FORM PTO-1595 (Modified)
(Rev. 6-93)
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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

1. Name of conveying party(ies):
Gaetano Bonfiglio, Kurusamy Muniappan, and Trung Nguyen

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

Name: **Quantum Corporation**
Internal Address: **Patent Department, Building 6**

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: **500 McCarthy Boulevard**

City: **Milpitas** State: **CA** ZIP: **95035**

Execution Date: **3/21/2000, 3/28/2000, 3/21/2000**

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: **3/21, 3/28, 3/21/2000**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Henry J. Groth, Registration No. 39,696**

6. Total number of applications and patents involved: **1**

Internal Address: **Quantum Corporation, Patent Department Building 6**

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

Street Address: **500 McCarthy Boulevard**

8. Deposit account number:

50-0283

City: **Milpitas** State: **CA** ZIP: **95035**

~~FORM PTO-1595 (REV. 6-93) 40.00 CH~~

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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.

Henry J. Groth

3/30/2000

Name of Person Signing

Signature

Date

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

REEL: 010733 FRAME: 0489

PATENT ASSIGNMENT

WHEREAS We, GAETANO BONFIGLIO, a citizen of the United States of America, residing at 56 Blue Coral Terrace, Fremont, CA 94536, KURUSAMY MUNIAPPAN, a citizen of India, residing at 6527 Skyfarm Drive, San Jose, CA 95120, and TRUNG NGUYEN, a citizen of the United States of America, residing at 7068 Hollow Lake Way, San Jose, CA 95120, have invented improvements for a certain new and useful "STORING AND RETRIEVING ENCODED DATA STREAM WITH SPECIFIED TIME OF DELIVERY ON A HARD DISK", 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, GAETANO BONFIGLIO, KURUSAMY MUNIAPPAN, and TRUNG NGUYEN 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. Q00-1056-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.


GAETANO BONFIGLIO

Date:

3-21-00

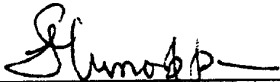
State of California

County of Santa Clara

On 3-21-00 before me, Charlotte Webster, the undersigned Notary Public, personally appeared GAETANO BONFIGLIO 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.




Notary Public



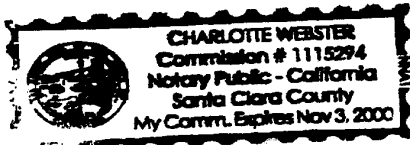
KURUSAMY MUNIAPPAN

Date: 3/28/2000

State of California

County of Santa Clara

On 3/28/00 before me, Charlotte Webster, the undersigned Notary Public, personally appeared KURUSAMY MUNIAPPAN 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

TRUNG NGUYEN
Date: 3/21/00

State of California
County of Santa Clara

On 3-21-00 before me, Charlotte Webster, the undersigned Notary Public, personally appeared TRUNG NGUYEN 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

