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Docket No.: Q02-1001-US1

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102043311 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): DAN GUNDERSON, DOUG GUNTHER Name: QUANTUM CORPORATION Address: 501 SYCAMORE DRIVE ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger City: MILPITAS ☐ Security Agreement Change of Name State/Prov.: CA ZIP: 95035 ☐ Other Country: US Execution Date: 2/22/02; 2/28/02 Additional name(s) & address(es) ☐ Yes ☑ No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: 000 Patent Application No. Filing date B. Patent No.(s) 10/043,597 01/09/2002 ☐ Yes 🗵 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: **DEBRA A. CHUN** 7. Total fee (37 CFR 3.41):....\$ 40.00 38,700 Registration No. ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: QUANTUM CORPORATION Authorized to be charged to deposit account **501 SYCAMORE DRIVE** 0043597 h0000160 500267 MARCERENCE NAMED 8. Deposit account number: City: MILPITAS State/Prov.: CA 50-0283 ZIP: 95035 Country: US (Attach duplicate copy of this page if paying by deposit account) 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. **MARCH 7, 2002 DEBRA A. CHUN** Name of Person Signing Date

Total number of pages including cover sheet, attachments, and

PATENT ASSIGNMENT

WHEREAS We, DAN GUNDERSON, a citizen of the United States of America, residing at 10450 Holland Court Westminster, CO 80021; and DOUG GUNTHER, a citizen of the United States of America, residing at 10922 Zepher Street, Westminster, CO 80021, have invented improvements for a certain new and useful "ENHANCED READ MARGINING USING DITHER ENHANCED WRITE MARGINALIZATION FOR MASS DATA STORAGE APPLICATIONS", for which we have filed on January 9, 2002, serial number 10/043,597 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 501 Sycamore Drive, 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, DAN GUNDERSON, and DOUG GUNTHER, 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. Q02-1001-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

> PATENT REEL: 012739 FRAME: 0123

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.

DAN GUNDERSON

Date: 2/22/02

State of dolars

County of Boaledin

On 2/22/32 before me, Dasky Albrack, the undersigned Notary Public, personally appeared DAN GUNDERSON 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

My Commission Expires 09/03/2003

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DOUG GUNTHER

Date: 2/28/92

State of LOLORADO

County of BOULDER

On EB 28 2002 before me, AT ESTERBOOK the undersigned Notary Public, personally appeared DOUG GUNTHER 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

My Commission Expires 09/11/2004