



FORM PTO-1595

08-04-1998



100783495

DEPARTMENT OF COMMERCE ((Rev. 6-93))

Patent and Trademark Office

COVER SHEET

LY

To the Honorable Commissioner of Patents and Trademarks: Please record the Attached original documents or copy thereof.

1. Name of conveying party(ies): David B. Jeppson; James V. Peske; Timothy J. Everett; Timothy R. Glassburn; Alex G. Tang; Richard M. Ehrlich; Thanh Q. Nguyen; XiaoQiang Yang; Kieu-Lien T. Dang; Gary W. Calfee; Annie M. Le; Bryan Mee; Anthony R. Hurtado; Lyle Adams; Hung Vo; Melin A. Sujo Additional name(s) of conveying party(ies)? <u> No </u>		2. Name and address of receiving party(ies) Name: Quantum Corporation Internal Address: Patent Department Mail Stop 22132 500 McCarthy Blvd. Milpitas, CA 95035 Additional name(s) & Address(es) attached? <u> No </u>				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <u> </u> Merge <u> </u> Security Agreement <u> </u> Change of Name Execution Date: Jeppson, Glassburn, Nguyen, Yang, Calfee, Le - 5/13/98; Everett, Dang, Tang - 5/14/98; Peske, Vo - 5/15/98; Mee - 5/19/98; Adams - 5/21/98; Sujo - 5/22/98; Ehrlich 7/13/98; Hurtado - 7/23/98						
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: _____ A. Patent Application No.(s) 08/928,214 B. Patent No.(s) Additional numbers attached? <u> Yes </u> <input checked="" type="checkbox"/> <u> No </u>						
5. Name and address of party to whom correspondence concerning document should be mailed: Name: John C. Chen Internal Address: Patent Law Manager Mail Stop 22130 QUANTUM CORPORATION 500 McCarthy Blvd. Milpitas, CA 95035		6. Total number of applications involved: <u> 1 </u> 7. Total fee (37 CFR 3.41)\$ <u>40.00</u> <u> </u> Enclosed <u> X </u> Authorized to be charged to deposit account 8. Deposit account number: <u> 50-0283 </u> (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 information is true and correct and any attached copy is a true copy of the original document. <table border="0" style="width: 100%;"><tr><td style="width: 30%;"><u>John C. Chen</u> Name of Person Signing (Reg. 39136)</td><td style="width: 30%; text-align: center;"> Signature</td><td style="width: 30%; text-align: right;"><u>7/23/98</u> Date</td></tr></table>				<u>John C. Chen</u> Name of Person Signing (Reg. 39136)	 Signature	<u>7/23/98</u> Date
<u>John C. Chen</u> Name of Person Signing (Reg. 39136)	 Signature	<u>7/23/98</u> Date				
Mail Document to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231						

07/29/1998 L3NEED 00000006 500283 08928214

03 FC:581

40.00 CH

PATENT
REEL: 9351 FRAME: 0279

PATENT ASSIGNMENT

WHEREAS We, DAVID B. JEPPSON, a citizen of the United States of America, residing at 4275 Stanford Way, Livermore, California, 94550; JAMES V. PESKE, a citizen of the United States of America, residing at 5235 Vera Lane, Apt. J205, San Jose, California, 95111; TIMOTHY J. EVERETT, a citizen of the United States of America, residing at 21525 La Salle Drive, Los Gatos, California, 95033; TIMOTHY R. GLASSBURN, a citizen of the United States of America, residing at 469 Patricia Court, Milpitas, California, 95035; ALEX G. TANG, a citizen of the United States of America, residing at 1674 Lederer Circle, San Jose, California, 95131; RICHARD M. EHRLICH, a citizen of the United States of America, residing at, 12092 Marilla Drive, Saratoga, California, 95070, THANH Q. NGUYEN, a citizen of the United States of America, residing at 43719 Greenhills Way, Fremont, California, 94539; XIAOQIANG YANG, a citizen of the People's Republic of China, residing at 48956 Pagosa Court, Fremont, California, 94539; KIEU-LIEN T. DANG, a citizen of the United States of America, residing at 18884 Sonnet Lane, Hayward, California, 94541; GARY W. CALFEE, a citizen of the United States of America, residing at 1728 Columbus Place, Santa Clara, California, 95051; ANNIE M. LE, a citizen of the United States of America, residing at 2418 Glen Duff Way, San Jose, California, 95148; BRYAN MEE, a citizen of the United States of America, residing at 2868 Mayglen Way, San Jose, California, 95133; ANTHONY R. HURTADO, a citizen of the United States of America, residing at, 6337 Wisteria Way, San Jose, California, 95129; LYLE ADAMS, a citizen of the United States of America, residing at 1602 Flower Garden Lane, San Jose, California, 95124; HUNG VO, a citizen of the United States of America, residing at 2086 Paseo Del Oro, San Jose, California, 95124; and Melin A. Sujo, a citizen of the United States of America, residing at 4284 Crescendo Avenue, San Jose, California, 95136, have invented improvements in a certain new and useful "ADAPTIVELY-CONTROLLED DISK DRIVE ASSEMBLY", for which we have filed on SEPTEMBER 12, 1997, serial number, 08/928,214 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, We, DAVID B. JEPPSON, JAMES V. PESKE, TIMOTHY J. EVERETT, TIMOTHY R. GLASSBURN, ALEX G. TANG, RICHARD M. EHRLICH, THANH Q. NGUYEN, XIAOQIANG YANG, KIEU-LIEN T. DANG, GARY W. CALFEE, ANNIE M. LE, BRYAN MEE, ANTHONY R. HURTADO, LYLE ADAMS, HUNG VO, and MELIN A. SUJO, 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 SEPTEMBER 12, 1997, serial number 08/928,214, a copy of which as filed in the United States Patent and Trademark Office is contained in a file marked "Attorney Docket No. Q97-1086-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.

AND We hereby further covenant and agree that We will communicate to the said QUANTUM CORPORATION, its successors, legal

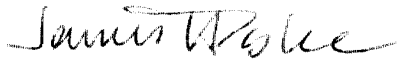
representatives and assigns, any facts known to us respecting said invention and said applications, and testify in any legal proceedings, execute all lawful papers, make all rightful oaths and generally do everything possible to aid the said QUANTUM CORPORATION, its successors, legal representatives 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: 5-13-98


DAVID B. JEPSON

Date: 5/15/98


JAMES V. PESKE

Date: 5/14/98


TIMOTHY J. EVERETT

Date: 5-13-98


TIMOTHY R. GLASSBURN

Date: 5-14-98


ALEX G. TANG


Date: 7-13-98


RICHARD M. EHRLICH

Date: 5-13-98


THANH Q. NGUYEN

Date: 5-13-98

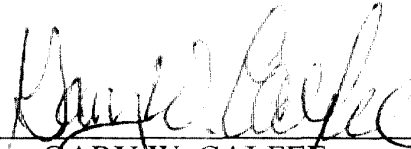

XIAOQIANG YANG

Date: 5/14/98


KIEU-LIEN T. DANG

Q97-1086-US1

Date: 6/13/98


GARY W. CALFEE

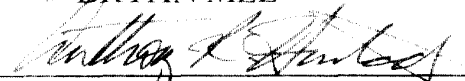
Date: 5-13-98


ANNIE M. LE

Date: 5-19-98


BRYAN MEE

Date: 7/23/98


ANTHONY R. HURTADO

Date: 5/21/98


LYLE ADAMS

Date:

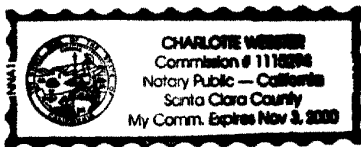
HUNG VO

Date: 5/22/98


MELINA A. SUJO

State of California)
) ss.
County of Santa Clara)

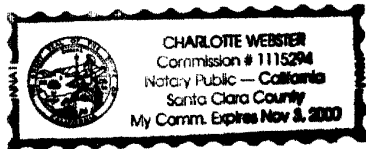
On this 13th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Anne M.
Le, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

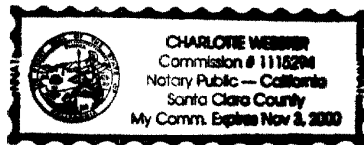
On this 13th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Timothy
Glassman, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

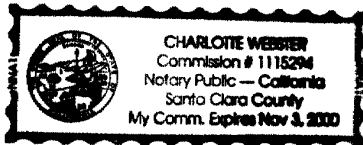
On this 13th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Thanh G
Nguyen, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

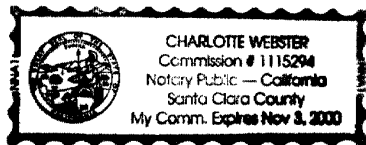
On this 13th day of May 1998, before me, Charlotte
Weber, the undersigned Notary Public, personally appeared Xiaoqiang
Yang, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Weber
Notary Public

State of California)
) ss.
County of Santa Clara)

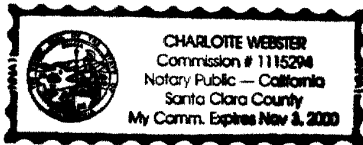
On this 3rd day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared David
Jeppson, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

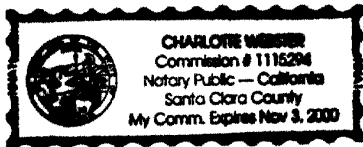
On this 13th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Erny
Calfee, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

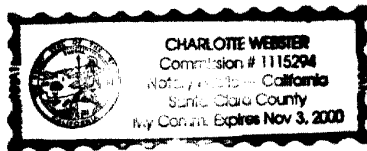
On this 14th day of May 1998, before me, Charlotte Webster
Webster, the undersigned Notary Public, personally appeared Timothy J
Everett, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

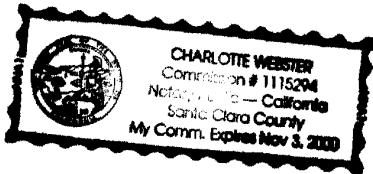
On this 14th day of May 1998, before me, Charlotte Webster, the undersigned Notary Public, personally appeared Alex G Tany, being personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

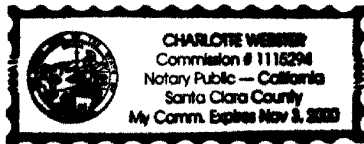
On this 4th day of May 1998, before me, CHARLOTTE WEBSTER, the undersigned Notary Public, personally appeared Kien-Lien T. Dang, being personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the instrument and acknowledged to me 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

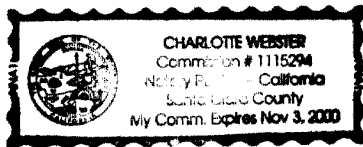
On this 15th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared James V.
Peck, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

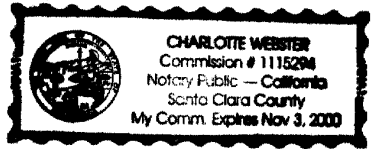
On this 19th day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Bryan
Mee, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that he 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

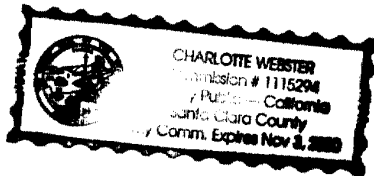
On this 21st day of May 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Lyle
Adams, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

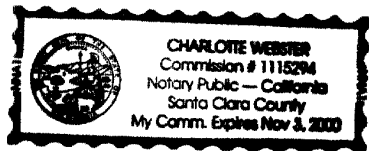
On this 22nd day of Aug 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Kevin
Snijder, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me that 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

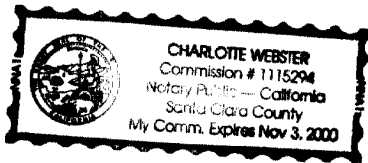
On this 13th day of July 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Richard
Enrich, being personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the
instrument and acknowledged to me 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.



Charlotte Webster
Notary Public

State of California)
) ss.
County of Santa Clara)

On this 23rd day of July 1998, before me, Charlotte
Webster, the undersigned Notary Public, personally appeared Anthony
Hurtado, 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.



Charlotte Webster
Notary Public

Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY


To the Honorable Commissioner of Patents and Trademarks: Please record the Attached original documents or copy thereof.

<p>1. Name of conveying party(ies): David B. Jeppson; James V. Peske; Timothy J. Everett; Timothy R. Glassburn; Alex G. Tang, Richard M. Ehrlich; Thanh Q. Nguyen; XiaoQiang Yang; Kieu-Lien T. Dang; Gary W. Calfee; Annie M. Le; Bryan Mee; Anthony R. Hurtado; Lyle Adams; Hung Vo; Melin A. Sujo</p> <p>Additional name(s) of conveying party(ies)? <input type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merge <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Execution Date: Jeppson, Glassburn, Nguyen, Yang, Calfee, Le - 5/13/98; Everett, Dang, Tang - 5/14/98; Peske, Vo - 5/15/98; Mee - 5/19/98; Adams - 5/21/98; Sujo - 5/22/98; Ehrlich 7/13/98; Hurtado - 7/23/98</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Quantum Corporation Internal Address: Patent Department Mail Stop 22132 500 McCarthy Blvd. Milpitas, CA 95035</p> <p>Additional name(s) & Address(es) attached? No</p>
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<p>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: _____</p> <p>A. Patent Application No.(s) 08/928,214 B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: John C. Chen Internal Address: Patent Law Manager Mail Stop 22130 QUANTUM CORPORATION 500 McCarthy Blvd. Milpitas, CA 95035</p>	<p>6. Total number of applications involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>50-0283</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

<p>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.</p> <p><u>John C. Chen</u> Name of Person Signing (Reg. 39136)</p> <p> Signature</p> <p><u>7/23/98</u> Date</p>	
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Mail Document to be recorded with required cover sheet information to:
Commissioner of Patent & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT ASSIGNMENT

WHEREAS We, DAVID B. JEPPSON, a citizen of the United States of America, residing at 4275 Stanford Way, Livermore, California, 94550; JAMES V. PESKE, a citizen of the United States of America, residing at 5235 Vera Lane, Apt. J205, San Jose, California, 95111; TIMOTHY J. EVERETT, a citizen of the United States of America, residing at 21525 La Salle Drive, Los Gatos, California, 95033; TIMOTHY R. GLASSBURN, a citizen of the United States of America, residing at 469 Patricia Court, Milpitas, California, 95035; ALEX G. TANG, a citizen of the United States of America, residing at 1674 Lederer Circle, San Jose, California, 95131; RICHARD M. EHRLICH, a citizen of the United States of America, residing at, 12092 Marilla Drive, Saratoga, California, 95070, THANH Q. NGUYEN, a citizen of the United States of America, residing at 42719 Greenhills Way, Fremont, California, 94539; XIAOQIANG YANG, a citizen of the Republic of China, residing at 48956 Pagosa Court, Fremont, California, 94539; KIEU-LIEN T. DANG, a citizen of the United States of America, residing at 18884 Sonnet Lane, Hayward, California, 94541; GARY W. CALFEE, a citizen of the United States of America, residing at 1728 Columbus Place, Santa Clara, California, 95051; ANNIE M. LE, a citizen of the United States of America, residing at 2418 Glen Duff Way, San Jose, California, 95148; BRYAN MEE, a citizen of the United States of America, residing at 2868 Mayglen Way, San Jose, California, 95133; ANTHONY R. HURTADO, a citizen of the United States of America, residing at, 6337 Wisteria Way, San Jose, California, 95129; LYLE ADAMS, a citizen of the United States of America, residing at 1602 Flower Garden Lane, San Jose, California, 95124; HUNG VO, a citizen of the United States of America, residing at 2086 Paseo Del Oro, San Jose, California, 95124; and Melin A. Sujo, a citizen of the United States of America, residing at 4284 Crescendo Avenue, San Jose, California, 95136, have invented improvements in a certain new and useful "ADAPTIVELY-CONTROLLED DISK DRIVE ASSEMBLY", for which we have filed on SEPTEMBER 12, 1997, serial number, 08/928,214 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. We, DAVID B. JEPPSON, JAMES V. PESKE, TIMOTHY J. EVERETT, TIMOTHY R. GLASSBURN, ALEX G. TANG, RICHARD M. EHRLICH, THANH Q. NGUYEN, XIAOQIANG YANG, KIEU-LIEN T. DANG, GARY W. CALFEE, ANNIE M. LE, BRYAN MEE, ANTHONY R. HURTADO, LYLE ADAMS, HUNG VO, and MELIN A. SUJO, 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 SEPTEMBER 12, 1997, serial number 08/928,214, a copy of which as filed in the United States Patent and Trademark Office is contained in a file marked "Attorney Docket No. Q97-1086-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.

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: _____
DAVID B. JEPPSON

Date: _____
JAMES V. PESKE

Date: _____
TIMOTHY J. EVERETT

Date: _____
TIMOTHY R. GLASSBURN

Date: _____
ALEX G. TANG

Date: _____
RICHARD M. EHRLICH

Date: _____
THANH Q. NGUYEN

Date: _____
XIAOQIANG YANG

Date: _____
KIEU-LIEN T. DANG

Q97-1086-US1

Date:

GARY W. CALFEE

Date:

ANNIE M. LE

Date:

BRYAN MEE

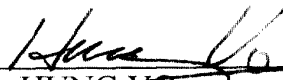
Date:

ANTHONY R. HURTADO

Date:

LYLE ADAMS

Date: 5-15-98

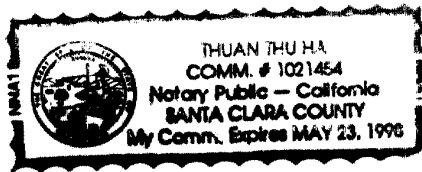

HUNG VO

Date:

MELIN A. SUJO

State of California)
) ss.
County of Santa Clara)

On this 15th day of May 1998, before me, Thuan T. Ha
_____, the undersigned Notary Public, personally appeared HUNG VO
_____, 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.



[Signature]
Notary Public