

4136102

05-10-2002



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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)  
Cheng Chiang Phua, JingFeng Liu, Tow Chong Chong,  
Yi Hong Wu and Jun Li  
Additional name(s) of conveying party(ies)  
attached?  Yes  No

2. Name and address of receiving party(ies)  
Data Storage Institute  
Street Address: DSI Building, 5 Engineering Drive  
Singapore 117608  
Additional name(s) & address(es)  
attached?  Yes  No

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2002 APR 30 AM 10:13  
FINANCE SECTION

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: 1/3/02, 2/13/02, 1/10/02, 12/19/01 and 2/5/02

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)  
09/09 32,491  
Additional numbers attached?  Yes  No

B. Issued Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:  
Steven R. Greenfield, Esq.  
Jenkins & Gilchrist, P.C.  
1445 Ross Avenue, Suite 3200  
Dallas, Texas 75202-2799

6. Total number of applications and patents involved  
One (1)  
7. Total fee (37 C.F.R. 3.41):..... \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
10-0447  
(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 foregoing information is true and correct and any attached copy is a true copy of the original document*  
Steven R. Greenfield  
Name of Person Signing  
  
Signature (Reg. No. 38,166)  
April 23, 2002  
Date

05/09/2002 JJALLAH2 00000029 09932491  
01 FC:581 40.00 DP

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents, Box Assignments  
Washington, D.C. 20231

# ASSIGNMENT

WHEREAS, We, Cheng Chiang Phua, JingFeng Liu, Tow Chong Chong, Yi Hong Wu, Jun Li have invented certain new and useful improvements in the following “**METHOD AND APPARATUS FOR THE MODULATION OF MULTILEVEL DATA ARRAYS**” for which we have made application for United States Letters Patent, and;

WHEREAS, Data Storage Institute, a corporation organized and existing under the laws of , having its principal place of business at DSI Building, 5 Engineering Drive SINGAPORE 117608 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon,

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives my entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said

applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case Docket No. 33726-00020USPT as soon as the same shall have been made known to them by the United States Patent Office.

\*Serial Number: 09/932,491

\*Filing Date: August 17, 2001

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 3rd day of

January, 2002

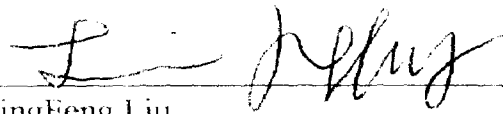
*(Signature)*

Name: Cheng Chiang Phua  
Address: 16A West Coast Road, #01-03  
Singapore 127303 ~~CHINA~~

On the 3rd day of January, 2002 before us personally appeared Cheng Chiang Phua, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.

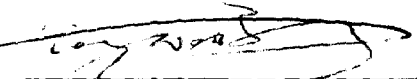
<i>(Signature)</i>	Lim Kian Guan	BLK #27, #01-03, West Coast Road, #074
WITNESS (1) SIGNATURE	PRINTED NAME	ADDRESS
<i>(Signature)</i>	Xu Xuewei	BLK #27, #01-03, Choo Choo Keng, #01-03, Singapore 680027
WITNESS (2) SIGNATURE	PRINTED NAME	ADDRESS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13 day of Feb, 2002



Name: JingFeng Liu  
Address: Blk 515 West Coast Road, #11-539  
Singapore 120515

On the 13 day of Feb, 2002 before us personally appeared JingFeng Liu, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.

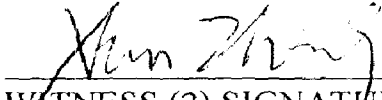


MONWEI SONE

5217 546 Ave. Apt 3  
Pittsburgh PA 15228  
ADDRESS

WITNESS (1) SIGNATURE

PRINTED NAME



Xun Zhang

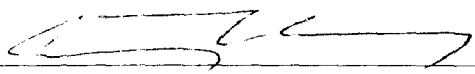
342 S Point Ave  
APT 5  
Pittsburgh PA 15224  
ADDRESS

WITNESS (2) SIGNATURE

PRINTED NAME

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 10<sup>th</sup> day of

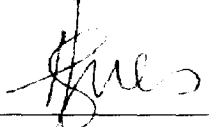
January, 2002.



Name: Tow Chong Chong  
Address: 6 Jalan Rendang  
Singapore 428344

On the 10<sup>th</sup> day of January, 2002 before us personally appeared Tow Chong Chong, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.

BLK 413 #06 90  
Gunos Rd S (H00413)

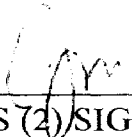


Agnes Louis

WITNESS (1) SIGNATURE

PRINTED NAME

ADDRESS



Catherine Choo

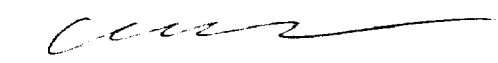
Blk 208 #06 8  
#07 521 9'6 1000

WITNESS (2) SIGNATURE

PRINTED NAME

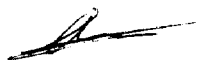
ADDRESS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 19th day of 12, 2001.



Name: Yi Hong Wu  
Address: 10 Dover Rise, #17-09  
Singapore 138680

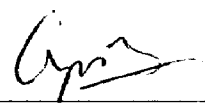
On the 19 day of 12, 2001 before us personally appeared Yi Hong Wu, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.



CHUNG JEON FATT

Blk. 856F, #08-214, TAMMINES ST. 52,  
S (52856)

WITNESS (1) SIGNATURE                      PRINTED NAME                      ADDRESS



Ang Lai Tin, Cynthia

672A Choa Chu Kang Crescent  
#06-481 S (679672)

WITNESS (2) SIGNATURE                      PRINTED NAME                      ADDRESS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5<sup>th</sup> day of Feb., 2002

Li Jun  
Name: Jun Li  
Address: Xicun 2-4-3, Northwestern Polytechnical University  
Xi'an Shaanxi 710072

On the 5<sup>th</sup> day of Feb, 2002 before us personally appeared Jun Li, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he executed the same.

21 Heng Mai Keng Terrace  
Singapore 11963

Chen Yu  
WITNESS (1) SIGNATURE      PRINTED NAME      ADDRESS

Li Liguang  
WITNESS (2) SIGNATURE      PRINTED NAME      ADDRESS