

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jingliang Zhang</td><td>03/31/2006</td></tr><tr><td>Branislav Hredzak</td><td>03/31/2006</td></tr><tr><td>Qing Li</td><td>04/03/2006</td></tr><tr><td>Guoxiao Guo</td><td>03/30/2006</td></tr></tbody></table>	Name	Execution Date	Jingliang Zhang	03/31/2006	Branislav Hredzak	03/31/2006	Qing Li	04/03/2006	Guoxiao Guo	03/30/2006	
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Jingliang Zhang	03/31/2006										
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Qing Li	04/03/2006										
Guoxiao Guo	03/30/2006										
RECEIVING PARTY DATA											
Name:	Agency for Science Science, Technology and Research										
Street Address:	20 Biopolis Way										
City:	#07-01 Centros										
State/Country:	SINGAPORE										
Postal Code:	138668										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11278308</td></tr></tbody></table>	Property Type	Number	Application Number:	11278308							
Property Type	Number										
Application Number:	11278308										
CORRESPONDENCE DATA											
Fax Number:	(937)449-6405										
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NAME OF SUBMITTER:	James E. Beyer										

OP \$40.00 11278308

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PATENT  
REEL: 019449 FRAME: 0095

**Total Attachments: 6**

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**PATENT**

**REEL: 019449 FRAME: 0096**

## ASSIGNMENT

*03/04/2006* *JA*  
**WHEREAS**, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, whose full post office addresses are *Block 114, #10-690, Teck Whye Lane, Singapore 680114; Block 685A, #15-290, Choa Chu Kang Crescent, Singapore 681685; ~~Block 1, Normanton Park, #17-159, Singapore 118998; and Block 316, #03-291, Jurong East Street 32, Singapore 600316~~*, respectively, have invented an invention entitled *DISK DRIVE CLOCK TRACKING CIRCUIT, ERROR COMPENSATION CIRCUIT AND METHOD*, for which an application for a patent is about to be filed in the United States;

(No 17 Room 1802, Lane 66 San Yuan Road, Shanghai 200333, PR China)

**AND WHEREAS**, *Agency for Science, Technology and Research*, whose full post office address is *20 Biopolis Way, #07-01 Centros, Singapore 138668*, is desirous of acquiring an interest therein;

**AND WHEREAS**, the serial number and filing date of the U.S. application, when assigned, should be entered here following:

Serial No.: 11/278,308

Filing Date: March 31, 2006

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, by these presents do sell, assign, and transfer, and do hereby confirm the sale, assignment, and transfer unto *Agency for Science, Technology and Research* of our full, right, title, and interest for the United States of America and all other countries foreign thereto, in, and to the said invention, as described in the said application; said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by the *Agency for Science, Technology and Research*, for its own use and benefit and for its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, undertake to sign such further documents to effect the aforesaid sale, transfer, and assignment as may be required from time to time, without reimbursement, but at the expense of *Agency for Science, Technology and Research*.

The serial number and filing date of the said application not yet having been assigned, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, hereby authorize the entry of the serial number and filing date in the recitations of this assignment for the purposes of identification.

EXECUTED at Data Storage Institute, Singapore this 31<sup>st</sup> day of  
March, 2006.

I, Du Chunling,  
Data Storage Institute, S. Engineering Dr. 1, S'pore 117608  
hereby declare that I was personally present and did see Jingliang ZHANG, who is personally  
known to me to be the person named in the above assignment, duly sign and execute the same.

Jingliang ZHANG  
Jingliang ZHANG

, whose full post office address is

Signature of Witness

EXECUTED at DATA STORAGE INSTITUTE, Singapore this 31<sup>st</sup> day of  
MARCH, 2006.

I, Du Chunling,  
Data Storage Institute, S. Engineering Dr. 1, S'pore 117608  
hereby declare that I was personally present and did see Branislav HREDZAK, who is personally  
known to me to be the person named in the above assignment, duly sign and execute the same.

Branislav HREDZAK  
Branislav HREDZAK

, whose full post office address is

Signature of Witness

EXECUTED at \_\_\_\_\_, Singapore this \_\_\_\_\_ day of  
, 2006.

I,

Qing LI  
Qing LI, whose full post office address is

hereby declare that I was personally present and did see Qing LI, who is personally known to me  
to be the person named in the above assignment, duly sign and execute the same.

Signature of Witness

## ASSIGNMENT

68SA  
Hush  
WHEREAS, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, whose full post office addresses are *Block 114, #10-690, Teck Whye Lane, Singapore 680114; Block 683A, #15-290, Choa Chu Kang Crescent, Singapore 681685; Block 1, Normanton Park, #17-159, Singapore 118998; and Block 316, #03-291, Jurong East Street 32, Singapore 600316*, respectively, have invented an invention entitled *DISK DRIVE CLOCK TRACKING CIRCUIT, ERROR COMPENSATION CIRCUIT AND METHOD*, has been filed in the United States on March 31, 2006;

AND WHEREAS, *Agency for Science, Technology and Research*, whose full post office address is *20 Biopolis Way, #07-01 Centros, Singapore 138668*, is desirous of acquiring an interest therein;

AND WHEREAS, the serial number and filing date of the U.S. application are:

Serial No.: 11/278,308

Filing Date: March 31, 2006

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, by these presents do sell, assign, and transfer, and do hereby confirm the sale, assignment, and transfer unto *Agency for Science, Technology and Research* of our full, right, title, and interest for the United States of America and all other countries foreign thereto, in, and to the said invention, as described in the said application; said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by the *Agency for Science, Technology and Research*, for its own use and benefit and for its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, undertake to sign such further documents to effect the aforesaid sale, transfer, and assignment as may be required from time to time, without reimbursement, but at the expense of *Agency for Science, Technology and Research*.

The serial number and filing date of the said application not yet having been assigned, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, hereby authorize the entry of the serial number and filing date in the recitations of this assignment for the purposes of identification.

**EXECUTED** at \_\_\_\_\_, Singapore this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

I,

\_\_\_\_\_  
Jingliang ZHANG  
, whose full post office address is

hereby declare that I was personally present and did see Jingliang ZHANG, who is personally known to me to be the person named in the above assignment, duly sign and execute the same.

\_\_\_\_\_  
Signature of Witness

**EXECUTED** at \_\_\_\_\_, Singapore this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

I,

\_\_\_\_\_  
Branislav HREDZAK

, whose full post office address is

hereby declare that I was personally present and did see Branislav HREDZAK, who is personally known to me to be the person named in the above assignment, duly sign and execute the same.

\_\_\_\_\_  
Signature of Witness

**EXECUTED** at No 10 Room 301, Lin Chao Yi Chun, Shanghai, PR China, Singapore this 03 day of April, 2006.

\_\_\_\_\_  
Qing LI

I, FANG QiuBei

, whose full post office address is

No 10 Room 301, Lin Chao Yi Chun, Shanghai 200540, PR China  
hereby declare that I was personally present and did see Qing LI, who is personally known to me to be the person named in the above assignment, duly sign and execute the same.

\_\_\_\_\_  
Signature of Witness

## ASSIGNMENT

685A  
Hunk  
WHEREAS, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, whose full post office addresses are *Block 114, #10-690, Teck Whye Lane, Singapore 680114; Block ~~683A~~, #15-290, Choa Chu Kang Crescent, Singapore 681685; Block 1, Normanton Park, #17-159, Singapore 118998; and Block 316, #03-291, Jurong East Street 32, Singapore 600316*, respectively, have invented an invention entitled *DISK DRIVE CLOCK TRACKING CIRCUIT, ERROR COMPENSATION CIRCUIT AND METHOD*, has been filed in the United States on March 31, 2006;

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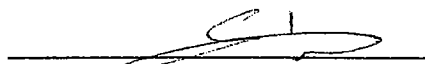
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, *Jingliang ZHANG, Branislav HREDZAK, Qing LI, and Guoxiao GUO*, by these presents do sell, assign, and transfer, and do hereby confirm the sale, assignment, and transfer unto *Agency for Science, Technology and Research* of our full, right, title, and interest for the United States of America and all other countries foreign thereto, in, and to the said invention, as described in the said application; said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by the *Agency for Science, Technology and Research*, for its own use and benefit and for its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

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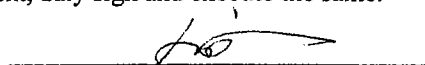
EXECUTED at  
March, 2006.

, Singapore this 30 day of

  
Guoxiao GUO

, whose full post office address is

I, Ying hu  
Blk 316, #03-294, Jurong East St. 32, Singapore 600316  
hereby declare that I was personally present and did see Guoxiao GUO who is personally known  
to me to be the person named in the above assignment, duly sign and execute the same.

  
Signature of Witness