

## 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>Xiufeng Han</td><td>10/20/2008</td></tr><tr><td>Zhongming Zeng</td><td>10/20/2008</td></tr><tr><td>Yunan Han</td><td>10/20/2008</td></tr><tr><td>Lixian Jiang</td><td>10/18/2008</td></tr><tr><td>Zilong Peng</td><td>10/18/2008</td></tr><tr><td>Wenshan Zhan</td><td>10/18/2008</td></tr></tbody></table> | Name  | Execution Date | Xiufeng Han         | 10/20/2008 | Zhongming Zeng | 10/20/2008 | Yunan Han | 10/20/2008 | Lixian Jiang | 10/18/2008 | Zilong Peng | 10/18/2008 | Wenshan Zhan | 10/18/2008 |  |
| Name   | Execution Date                                    |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Xiufeng Han  | 10/20/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Zhongming Zeng   | 10/20/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Yunan Han  | 10/20/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Lixian Jiang   | 10/18/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Zilong Peng  | 10/18/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Wenshan Zhan   | 10/18/2008  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| RECEIVING PARTY DATA   |   |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Name:  | Institute of Physics, Chinese Academy of Sciences |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Street Address:  | No. 8 Zhongguancun Nan San Jie                    |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Internal Address:  | Haidian District                                  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| City:  | Beijing 100190                                    |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| State/Country:   | CHINA   |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| 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>12296812</td></tr></tbody></table>   | Property Type                                     | Number         | Application Number: | 12296812   |                |            |           |            |              |            |             |            |              |            |  |
| Property Type  | Number  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Application Number:  | 12296812  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| CORRESPONDENCE DATA  |   |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Fax Number:  | (302)658-5614                                     |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |   |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Phone:   | 302-658-9141                                      |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Email:   | disrael@cblh.com                                  |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Correspondent Name:  | Zhun Lu   |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Address Line 1:  | Connolly Bove Lodge & Hutz LLP                    |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Address Line 2:  | The Nemours Bldg. - 1007 North Orange St          |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| Address Line 4:  | Wilmington, DELAWARE 19899                        |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |
| ATTORNEY DOCKET NUMBER:  | 15454-00007-US                                    |                |                     |            |                |            |           |            |              |            |             |            |              |            |  |

OP \$40.00 12296812

500681286

PATENT  
REEL: 021712 FRAME: 0588

NAME OF SUBMITTER:

Zhun Lu

Total Attachments: 3

source=1545400007\_Assignment#page1.tif

source=1545400007\_Assignment#page2.tif

source=1545400007\_Assignment#page3.tif

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Xiufeng Han; Zhongming Zeng; Yunan Han; Lixian Jiang; Zilong Peng; and Wenshan Zhan (hereinafter referred to as Assignors), whose mailing address is No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA; No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA; No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA; No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA; No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA; and No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in A MAGNETIC LOGIC ELEMENT WITH TOROIDAL MULTIPLE MAGNETIC FILMS AND A METHOD OF LOGIC TREATMENT USING THE SAME, set forth in a Patent application for which an International Application was filed on April 11, 2007, PCT/CN2007/001174, designating the United States; and

**WHEREAS**, Institute of Physics, Chinese Academy of Sciences, a organized under and pursuant to the laws of the PEOPLE'S REPUBLIC OF CHINA having its principal place of business at No. 8 Zhongguancun Nan San Jie, Haidian District, Beijing 100190, PEOPLE'S REPUBLIC OF CHINA (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and

the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

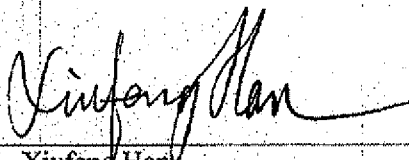
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

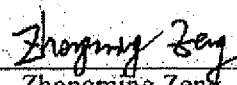
All practitioners at Customer Number 23416

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

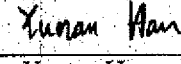
Date: 2008/10/20

Signature:   
Xiufeng Han

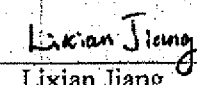
Date: 2008/10/20

Signature:   
Zhongming Zeng

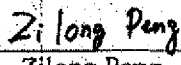
Date: 2008/10/20

Signature:   
Yunan Han

Date: 2008/10/18

Signature:   
Lixian Jiang

Date: 2008/10/18

Signature:   
Zilong Peng

Date: 2008/10/18

Signature:   
Wenshan Zhan