

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>William HAPPER</td> <td>05/17/2010</td> </tr> <tr> <td>Kiyoshi ISHIKAWA</td> <td>05/28/2010</td> </tr> <tr> <td>Brian PATTON</td> <td>05/19/2010</td> </tr> <tr> <td>Yuan-Yu JAU</td> <td>05/27/2010</td> </tr> </tbody> </table>		Name	Execution Date	William HAPPER	05/17/2010	Kiyoshi ISHIKAWA	05/28/2010	Brian PATTON	05/19/2010	Yuan-Yu JAU	05/27/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Trustees of Princeton University</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 36, 5 New South Building</td> </tr> <tr> <td>City:</td> <td>Princeton</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>08540</td> </tr> </table>		Name:	The Trustees of Princeton University	Street Address:	P.O. Box 36, 5 New South Building	City:	Princeton	State/Country:	NEW JERSEY	Postal Code:	08540
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (609)924-3036</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 609-924-8555</p> <p>Email: cnseaton@pbnlaw.com</p> <p>Correspondent Name: Porzio, Bromberg &amp; Newman, P.C.</p> <p>Address Line 1: 29 Thanet Road, Suite 201</p> <p>Address Line 2: Diane Dunn McKay</p> <p>Address Line 4: Princeton, NEW JERSEY 08540</p>											
ATTORNEY DOCKET NUMBER:	4555-138 US										
NAME OF SUBMITTER:	Diane Dunn McKay										
Total Attachments: 2											

CH \$40.00 12439846

**501210575**

**PATENT**  
**REEL: 024570 FRAME: 0141**

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## A S S I G N M E N T

WHEREAS, William HAPPER, Kiyoshi ISHIKAWA, Brian PATTON, and Yuan-Yu, JAU as assignor(s) has/have invented certain improvements in POLARIZING NUCLEI IN SOLIDS VIA SPIN TRANSFER FROM AN OPTICALLY-PUMPED ALKALI VAPOR for which an International Patent Application Serial No. PCT/US2007/019492 filed on them and which designates the United States for National Stage entry, and

WHEREAS, The Trustees of Princeton University, located at P.O. Box 36, 5 New South Building, Princeton, NJ 08540 as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar(s) (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, as assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for a Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all countries foreign, and the Commissioner for Patents is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest; and the undersigned for them and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representative all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

William Happer

William HAPPER, Assignor

State of NY )  
County of Mercer ) SS:

On this 17 day of May, 2010, before me personally appeared William  
HAPPER, to me known to be the individual described in and who executed the foregoing instrument,  
and acknowledged execution of the same.

Notary Public

**DONA JANE VUKSON**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 4/17/2013**

1 of 2

**PATENT**  
**REEL: 024570 FRAME: 0143**

Executed this 28 day of May, 2010.

ASSIGNOR

WITNESS

Kiyoshi Ishikawa  
By: Kiyoshi ISHIKAWA

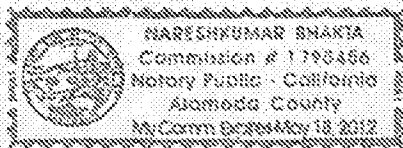
Hisao Kobayashi  
By: Hisao KOBAYASHI

Brian Patton  
Brian PATTON, Assignor

State of California

County of Alameda

On this 19 day of MAY, 2010, before me personally appeared Brian PATTON, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



[Signature]  
Notary Public

[Signature]  
Yuan-Yu, JAU, Assignor

State of NM

County of Bernalillo

On this 27th day of MAY, 2010, before me personally appeared Yuan-Yu, JAU, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary Public

