

PATENT ASSIGNMENT

Electronic Version v1.1

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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>William H. Butler</td> <td>08/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	William H. Butler	08/07/2012
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William H. Butler	08/07/2012				
RECEIVING PARTY DATA					
Name:	The Board of Trustees of the University of Alabama for and on Behalf of the University of Alabama				
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Internal Address:	Campus Box 870104				
City:	Tuscaloosa				
State/Country:	ALABAMA				
Postal Code:	35487-0104				
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>13549331</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13549331
Property Type	Number				
Application Number:	13549331				
CORRESPONDENCE DATA					
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NAME OF SUBMITTER:	Debbie Nishihara				
Total Attachments: 1 source=GRAN013CIP_Assignment_Butler_UA#page1.tif					

OP \$40.00 13549331

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, **William H. Butler**, do hereby sell, assign, and transfer to: **The Board of Trustees of the University of Alabama for and on Behalf of the University of Alabama**, a University having a principal place of business at 152 Rose Administration Building, Campus Box 870104, Tuscaloosa, Alabama 35487-0104 ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for the United States Letters Patent,

- which has been executed by the undersigned concurrently herewith,
- which was filed on **July 13, 2012** and assigned Serial No. **13/549,331**

and is entitled:

METHOD AND SYSTEM FOR PROVIDING MAGNETIC TUNNELING JUNCTIONS USABLE IN SPIN TRANSFER TORQUE MAGNETIC MEMORIES

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

And the Assignors hereby authorize and request the attorneys and agents to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

Signed:

William A. Butler

Inventor's Signature

8/7/2012

DATE

William H. Butler

Inventor's Printed Name