

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Patrick Mesquita Braganca	09/07/2011
Bruce Alvin Gurney	09/07/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.
<b>Street Address:</b>	LOCATELLIKADE 1, PARNASSUSTOREN
<b>City:</b>	1076 AZ AMSTERDAM
<b>State/Country:</b>	NETHERLANDS
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13228429
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)717-9155
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	tom.berthold@comcast.net
<b>Correspondent Name:</b>	HITACHI GLOBAL STORAGE TECHNOLOGIES
<b>Address Line 1:</b>	5600 COTTLE ROAD
<b>Address Line 4:</b>	San Jose, CALIFORNIA 95193
<b>ATTORNEY DOCKET NUMBER:</b>	HSJ920110027US1
<b>NAME OF SUBMITTER:</b>	Thomas R. Berthold
<b>Total Attachments: 1</b> source=HSJ920110027US1_AssignmentSigned#page1.tif	

**CH \$40.00 13228429**

## ASSIGNMENT FOR PATENT APPLICATION

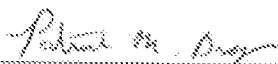
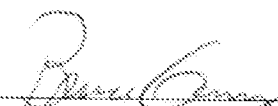
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

### A THERMAGNONIC SPIN-TORQUE OSCILLATOR (STO)

Whereas, **Hitachi Global Storage Technologies Netherlands B.V.**, having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter referred to as "HITACHI"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature:  Date: 9/7/11  
Typed Name: **Patrick Mesquita Braganca**
  
- 2) Signature:  Date: 9/7/11  
Typed Name: **Bruce Alvin Gurney**