

# 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>													
<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>Aleksey Andreev</td> <td>09/18/2009</td> </tr> <tr> <td>David Williams</td> <td>09/18/2009</td> </tr> <tr> <td>Ernesto E. Marinero</td> <td>09/18/2009</td> </tr> <tr> <td>Bruce A. Gurney</td> <td>09/23/2009</td> </tr> <tr> <td>Thomas D. Boone Jr.</td> <td>09/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	Aleksey Andreev	09/18/2009	David Williams	09/18/2009	Ernesto E. Marinero	09/18/2009	Bruce A. Gurney	09/23/2009	Thomas D. Boone Jr.	09/18/2009
Name	Execution Date												
Aleksey Andreev	09/18/2009												
David Williams	09/18/2009												
Ernesto E. Marinero	09/18/2009												
Bruce A. Gurney	09/23/2009												
Thomas D. Boone Jr.	09/18/2009												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Hitachi, Ltd.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>6-6, Marunouchi 1-chome</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Chiyoda-ku</td> </tr> <tr> <td><b>City:</b></td> <td>Tokyo</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> </table>		<b>Name:</b>	Hitachi, Ltd.	<b>Street Address:</b>	6-6, Marunouchi 1-chome	<b>Internal Address:</b>	Chiyoda-ku	<b>City:</b>	Tokyo	<b>State/Country:</b>	JAPAN		
<b>Name:</b>	Hitachi, Ltd.												
<b>Street Address:</b>	6-6, Marunouchi 1-chome												
<b>Internal Address:</b>	Chiyoda-ku												
<b>City:</b>	Tokyo												
<b>State/Country:</b>	JAPAN												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Hitachi Global Storage Technologies Netherlands B.V.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>Locatellikade 1</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Parnassustoren</td> </tr> <tr> <td><b>City:</b></td> <td>1076 AZ Amsterdam</td> </tr> <tr> <td><b>State/Country:</b></td> <td>NETHERLANDS</td> </tr> </table>		<b>Name:</b>	Hitachi Global Storage Technologies Netherlands B.V.	<b>Street Address:</b>	Locatellikade 1	<b>Internal Address:</b>	Parnassustoren	<b>City:</b>	1076 AZ Amsterdam	<b>State/Country:</b>	NETHERLANDS		
<b>Name:</b>	Hitachi Global Storage Technologies Netherlands B.V.												
<b>Street Address:</b>	Locatellikade 1												
<b>Internal Address:</b>	Parnassustoren												
<b>City:</b>	1076 AZ Amsterdam												
<b>State/Country:</b>	NETHERLANDS												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12565555</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12565555								
Property Type	Number												
<b>Application Number:</b>	12565555												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (408)971-4660</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-971-2573</p> <p>Email: april@zilkakotab.com</p> <p>Correspondent Name: Zilka-Kotab, PC</p>													

CH \$40.00 12565555

**500989435**

**PATENT**  
**REEL: 023377 FRAME: 0028**

Address Line 1:	P.O. Box 721120
Address Line 4:	San Jose, CALIFORNIA 95172

ATTORNEY DOCKET NUMBER:	HSJ920080200US1/HIT1P446
-------------------------	--------------------------

NAME OF SUBMITTER:	Ronald B. Feece
--------------------	-----------------

<p>Total Attachments: 6</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page1.tif</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page2.tif</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page3.tif</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page4.tif</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page5.tif</p> <p>source=HIT1P446_HSJ920080200US1_signedassign#page6.tif</p>
---

## ASSIGNMENT OF PATENT APPLICATION

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



### MAGNETIC FIELD SENSOR

(Atty. Docket No.: HIT1P446/HSJ920080200US1) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Hitachi, Ltd., and Hitachi Global Storage Technologies Netherlands B.V.**, a Japanese Corporation having a place of business at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, and a Netherlands Corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEES"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

- 1) Signature:  Date: 18-sept-2009  
Typed Name: Aleksey Andreev
- 2) Signature:  Date: 18. 9. 09  
Typed Name: David Williams

- 3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Ernesto E. Marinero
- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Bruce A. Gurney
- 5) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Thomas D. Boone Jr.

## ASSIGNMENT OF PATENT APPLICATION

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

### MAGNETIC FIELD SENSOR

(Atty. Docket No.: HIT1P446/HSJ920080200US1) for which I (we) have executed an application for a United States Letters Patent.


For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Hitachi, Ltd., and Hitachi Global Storage Technologies Netherlands B.V.**, a Japanese Corporation having a place of business at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, and a Netherlands Corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEES"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

- 1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Aleksey Andreev
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: David Williams

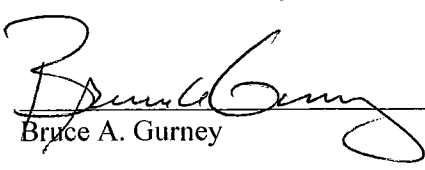
3)

Signature: 

Typed Name: Ernesto E. Marinero 

Date: 9/18/09

4)

Signature: 

Typed Name: Bruce A. Gurney

Date: 9/23/2009

5)

Signature: \_\_\_\_\_

Typed Name: Thomas D. Boone Jr.

Date: \_\_\_\_\_

## ASSIGNMENT OF PATENT APPLICATION

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

### MAGNETIC FIELD SENSOR

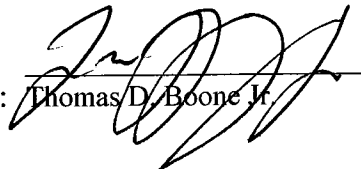
(Atty. Docket No.: HIT1P446/HSJ920080200US1) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Hitachi, Ltd., and Hitachi Global Storage Technologies Netherlands B.V.**, a Japanese Corporation having a place of business at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, and a Netherlands Corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEES"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

- 1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Aleksey Andreev
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: David Williams

- 3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Ernesto E. Marinero
- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Bruce A. Gurney
- 5) Signature:  \_\_\_\_\_ Date: 9/18/2009  
Typed Name: Thomas D. Boone Jr.