

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kazumasa Nishimura	11/04/2009
Masamichi Saito	11/04/2009
Yosuke Ide	11/02/2009
Ryo Nakabayashi	11/04/2009
Yoshiro Nishiyama	11/04/2009
Hidekazu Kobayashi	11/04/2009
Naoya Hasegawa	11/04/2009
RECEIVING PARTY DATA	
Name:	Alps Electric Co., Ltd.
Street Address:	1-7 Yukigaya-otsukamachi, Ota-ku
City:	Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12615689
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ATTORNEY DOCKET NUMBER:	9281-5717

CH \$40.00 12615689

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**PATENT
 REEL: 023497 FRAME: 0745**

NAME OF SUBMITTER:

Gustavo Siller, Jr.

Total Attachments: 4

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

1. Name of conveying Party(ies): KAZUMASA NISHIMURA/NOVEMBER 4, 2009 MASAMICHI SAITO/NOVEMBER 4, 2009 YOSUKE IDE/NOVEMBER 4, 2009 RYO NAKABAYASHI/NOVEMBER 4, 2009 YOSHIRO NISHIYAMA/NOVEMBER 4, 2009 HIDEKAZU KOBAYASHI/NOVEMBER 4, 2009 NAOYA HASEGAWA/NOVEMBER 4, 2009 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and Address of receiving Party(ies): Name: ALPS ELECTRIC CO., LTD. Address: 1-7 Yukigaya, Otsuka-cho, Ota-ku Tokyo, Japan Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of Conveyance/Execution Date(s): Execution Date(s): <u>November 4, 2009</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other: _____	4. Application or Patent Number(s). <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
5. Name and address of party to whom correspondence concerning document should be mailed: BRINKS HOFER GILSON & LIONE PO BOX 10395 CHICAGO, IL 60610 Phone: (312) 321-4200 Fax: (312) 321-4299	6. Total no. of applications & patents involved: <u>1</u> 7. Total Fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorize charge by credit card <input checked="" type="checkbox"/> Authorize charge to Deposit Account No. 23-1925 <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
9. Signature: <u>/Gustavo Siller, Jr./</u> <div style="text-align: center; margin-top: 10px;"> _____ Signature _____ Gustavo Siller, Jr. Name of Person Signing </div>	8. Payment Information: a. <input type="checkbox"/> Credit Card: Last 4 Numbers Expiration Date b. <input checked="" type="checkbox"/> Charge fee and/or any Deficiencies to Deposit Account Number 23-1925 Authorized User Name: Brinks Hofer Gilson & Lione November 10, 2009 <div style="text-align: center; margin-top: 10px;"> _____ Date </div>
Total no. of pages including coversheet, attachments and documents: 4	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Kazumasa NISHIMURA, Masamichi SAITO, Yosuke IDE, Ryo NAKABAYASHI, Yoshihiro NISHIYAMA, Hidekazu KOBAYASHI and Naoya HASEGAWA, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled TUNNELING MAGNETIC SENSING ELEMENT INCLUDING MGO FILM AS INSULATING BARRIER LAYER,

executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, ALPS ELECTRIC CO., LTD., a corporation organized and existing under the laws of Japan, having a place of business at 1-7 Yukigaya, Otsuka-cho, Ota-ku, in Tokyo, Japan, hereinafter called the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: November 4, 2009 Kazumasa Nishimura
Inventor: Kazumasa NISHIMURA

WITNESSED:

DATE: November 4, 2009 Nobuhiko Hayashi

DATE: November 4, 2009 Atsushi Fukunashi

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WITNESSED:

DATE: _____

DATE: _____
