

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yasuo Matsui	10/10/2007
Shunji Araki	10/10/2007
RECEIVING PARTY DATA	
Name:	Alps Electric Co., Ltd.
Street Address:	1-7 Yukigaya, Otsuka-cho, Ota-ku
City:	Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11872215
CORRESPONDENCE DATA	
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Address Line 1:	P.O. Box 10395
Address Line 4:	Chicago, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	9281-5539
NAME OF SUBMITTER:	Gustavo Siller, Jr.
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

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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)/Execution Date:

YASUO MATSUI/OCTOBER 10, 2007
SHUNJI ARAKI/OCTOBER 10, 2007

Additional name(s) of conveying party(ies) attached?

 Yes No

2. Name and Address of receiving Party(ies):

Name: ALPS ELECTRIC CO., LTD
Internal Address:
Street Address: 1-7 Yukigaya, Otsuka-cho, Ota-ku
City: Tokyo
Country: Japan

 Additional name(s) and addresses attached? Yes No

3. Nature of Conveyance:

Execution Date(s): October 10, 2007

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Change of Name | <input type="checkbox"/> Executive Order 9424, Confirmatory License |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Merger | <input type="checkbox"/> Joint Research Agreement |
| <input type="checkbox"/> Government Interest Assignment | <input type="checkbox"/> Other | |

4. Application or patent number(s).
 This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312) 321-4200
(312) 321-4299 Fax

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card.
 Authorized to be charged to Deposit Account No. 23-1925.
 Enclosed
 None required (government interest not affecting title)

8. Payment Information:

- a. Credit Card: Last 4 Numbers
Expiration Date
- b. Charge fee and/or any Deficiencies to Deposit
Account Number: 23-1925
Authorized User Name: Brinks Hofer Gilson & Lione

9. Signature: /Gustavo Siller, Jr./
October 15, 2007

Signature

Date

Gustavo Siller, Jr. Total number of pages including cover

 Name of Person Signing sheet, attachments, and documents: 3

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, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Yasuo Matsui and Shunji Araki

hereinafter called the "Assignors", have made the invention described in the United States patent application entitled METHOD OF MANUFACTURING CIRCUIT BOARD

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: October 10, 2007 *Yasuo Matsui*
Inventor: Yasuo Matsui

WITNESSED:

DATE: October 10, 2007 *Masaei Momiyama*

DATE: October 10, 2007 *Misashi Izumida*

DATE: October 10, 2007 *Shunji Araki*
Inventor: Shunji Araki

WITNESSED:

DATE: October 10, 2007 *Masaei Momiyama*

DATE: October 10, 2007 *Misashi Izumida*

DATE: _____
Inventor: _____

WITNESSED:

DATE: _____

DATE: _____

DATE: _____
Inventor: _____

WITNESSED:

DATE: _____

DATE: _____