

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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|                       |                |
|-----------------------|----------------|
| SUBMISSION TYPE:      | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| Kazuo SHIMOYAMA | 08/30/2005     |
| Manabu TAKEI    | 08/30/2005     |
| Haruo NAKAZAWA  | 08/30/2005     |

**RECEIVING PARTY DATA**

|                 |                                  |
|-----------------|----------------------------------|
| Name:           | Fuji Electric Systems Co., Ltd.  |
| Street Address: | 11-2 Osaki 1-chome, Shinagawa-ku |
| City:           | Tokyo                            |
| State/Country:  | JAPAN                            |
| Postal Code:    | 141-0032                         |

**PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12824541 |

**CORRESPONDENCE DATA**

Fax Number: (703)726-6024  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 7037266020  
 Email: mail@rkmlp.com  
 Correspondent Name: Rossi, Kimms & McDowell LLP  
 Address Line 1: 20609 Gordon Park Square, Suite 150  
 Address Line 4: Ashburn, VIRGINIA 20147

|                         |                   |
|-------------------------|-------------------|
| ATTORNEY DOCKET NUMBER: | FUJI-0363B        |
| NAME OF SUBMITTER:      | Marilyn Simulescu |

Total Attachments: 3  
 source=FUJI-Signed-Assign-FHC-TO-FDT-TO-FES#page1.tif  
 source=FUJI-Signed-Assign-FHC-TO-FDT-TO-FES#page2.tif

**CH \$40.00 12824541**

**501400945**

**PATENT  
 REEL: 025606 FRAME: 0796**



**\*\*\* ASSIGNMENT \*\*\***

**FUJI ELECTRIC HOLDINGS CO. LTD.** of 1-1, Tanabeshinden, Kawasaki-ku, Kawasaki, 210-0856, Japan, hereinafter (**FHC**) and formerly known as **FUJI ELECTRIC CO., LTD.** of, 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki, 210-0856, Japan, as evidenced by the Certificate of Change of Name attached hereto as **Appendix B**, is the sole and exclusive owner of the inventions(s) and improvements(s) disclosed and/or claimed in the United States Patents and/or Patent Applications listed in the attached **Appendix A**.

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid, the receipt of which is hereby acknowledged, **FHC** has sold and assigned, and by these presents hereby sells, assigns and transfers unto **FUJI ELECTRIC DEVICE TECHNOLOGY CO., LTD.** of 11-2 Osaki 1-Chome, Shinagawa-Ku, Tokyo, 141-0032, Japan, hereinafter (**FDT**), the entire right, title, and interest for the United States, its territories, dependencies and possessions in and to the invention(s) and improvement(s) set forth in the above-identified United States Patents and United States Patent Applications, including any and all subsequent division or continuation applications thereof, and in and to any and all Letters Patent of the United States that may issue on any such applications, including any and all reissues or extensions thereof.

**FDT**, as successor in interest to **FHC** by virtue of the above assignment, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid, the receipt of which is hereby acknowledged, has sold and assigned, and by these presents hereby sells, assigns and transfers unto **FUJI ELECTRIC SYSTEMS CO., LTD.** 11-2 Osaki 1-chome, Shinagawa-ku, Tokyo 141-0032, Japan, hereinafter (**FES**), the entire right, title, and interest for the United States, its territories, dependencies and possessions in and to the invention(s) and improvement(s) set forth in the above-identified United States Patents and United States Patent Applications, including any and all subsequent division or continuation applications thereof, and in and to any and all Letters Patent of the United States that may issue on any such applications, including any and all reissues or extensions thereof.

**FHC** and **FDT** hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to **FES**, its successors or assigns in accordance herewith.

**FHC** and **FDT** warrant and covenant that each has the full and unencumbered right to sell and assign the interests herein sold and assigned and that it has not executed and will not execute any document or instrument in conflict herewith.

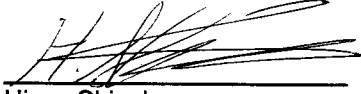
**FHC** and **FDT** further covenants and agrees to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as **FES** may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with **FES** in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to **FES**.

FHC and FDT each hereby grant the firm of ROSSI, KIMMS & McDOWELL LLP the power to insert on this Assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

For:

FUJI ELECTRIC HOLDINGS CO. LTD. of 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki, 210-0856, Japan



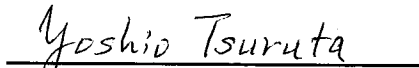
September 28, 2009

Date

Hisao Shigekane  
Director & Senior Executive Officer  
General Manager  
Technology Strategy Division  
Chief Technology Officer

For:

FUJI ELECTRIC DEVICE TECHNOLOGY CO., LTD. of 11-2 Osaki 1-Chome, Shinagawa-Ku, Tokyo, 141-0032, Japan



September 30, 2009

Date

Yoshio Tsuruta  
Deputy General Manager  
Administration Department  
Business Planning & Development Division  
Semiconductor Group

WITNESSED BY:



Name:

\_\_\_\_\_

Date



Name:

\_\_\_\_\_

Date

\*\*\* ASSIGNMENT \*\*\*

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: FUJI ELECTRIC HOLDINGS CO., LTD.  
Address 1-1 TANABESHINDEN, KAWASAKI-KU  
KAWASAKI 210-0858, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

and identified by the Assignee as 04P01100 US and ATTORNEY DOCKET NUMBER FUJI:350, for which the undersigned has (have) executed and filed an application for patent in the United States of America on the date 8/19/05, and now designated as U.S. Patent Application Serial No. 11/208,459.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI, KIMMS & McDOWELL LLP the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

|     | Print Name             | Date                                     | Signature              |
|-----|------------------------|--|------------------------|
| (1) | <u>Kazuo SHIMOYAMA</u> | <u>August 30, 2005</u><br>Month/Day/Year | <u>Kazuo Shimoyama</u> |
| (2) | <u>Manabu TAKEI</u>    | <u>August 30, 2005</u><br>Month/Day/Year | <u>Manabu Takei</u>    |
| (3) | <u>Haruo NAKAZAWA</u>  | <u>August 30, 2005</u><br>Month/Day/Year | <u>Haruo Nakazawa</u>  |
| (4) | _____                  | Month/Day/Year                           | _____                  |
| (5) | _____                  | Month/Day/Year                           | _____                  |

This assignment should preferably be signed before a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by:

|     |       |                |       |
|-----|-------|----------------|-------|
| (1) | _____ | Month/Day/Year | _____ |
| (2) | _____ | Month/Day/Year | _____ |

RECORDED: 11/09/2005

PATENT  
REEL: 017193 FRAME: 0685

RECORDED: 01/10/2011

PATENT  
REEL: 025606 FRAME: 0800