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1. Name of conveying parties:
 Hirofumi MATSUO
 Kazuaki MINO
 Hiroyuki OTA
 Toru HOSEN
 Hironobu SHIROYAMA
2. Name and Address of receiving parties:
 Hirofumi MATSUO
 7-24-202, Hanaoka-machi, Nagasaki-shi,
 Nagasaki 852-8153, Japan

 FUJI ELECTRIC CO., LTD.
 1-1 Tanabeshinden, Kawasaki-ku,
 Kawasaki-shi, Kanagawa 210-9530,
 Japan
3. Nature of conveyance:
 Assignment
 Security Agreement
 Other: _____
 Merger
 Change of Name
 Execution Date(s): 1) June 20, 2011; 2-3) June 6, 2011; 4) June 10, 2011 and 5) June 9, 2011
4. Application number(s) or patent number(s):
 This document is being filed together with a new application.
 OR
 This document is being filed after filing of the application:
 (a) Patent Application No(s). 13/182,907, filed July 14, 2011; or
 (b) Patent No(s). , issued .
5. Name and address of party to whom correspondence concerning document should be mailed:
STAAS & HALSEY LLP
 Attention: David M. Pitcher
 1201 New York Ave., N.W., 7th Floor
 Washington, D.C. 20005
 Our Docket: 2301.1001
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)
 Enclosed
 Authorized to be charged to credit card.
 Authorized to be charged to deposit account.
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
 (Attach duplicate copy of this page if paying by deposit account)

David M. Pitcher, Reg. No. 25,908
 Name of Person Signing

David M. Pitcher
 Signature
 07/18/2011
 Date
 ANJLLIN 0000016 13182907
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 Total number of pages including cover sheet: 2

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U.S. ASSIGNMENT

Docket No.: **2301.1001**

SM 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

FUJI ELECTRIC CO., LTD.
1-1 Tanabeshinden, Kawasaki-ku,
Kawasaki-shi, Kanagawa 210-9530, JAPAN

Hirofumi MATSUO
7-24-202, Hanaoka-machi,
Nagasaki-shi, Nagasaki 852-8153, JAPAN

(Hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

DIRECT-CURRENT SWITCH

relating to International Patent Application PCT/JP _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; *(Insert date of execution of application, if not concurrent)*

(b) filed on _____

Serial No. _____;

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).
(Typed Name & Signature of Inventor(s)) *(Date)* *(Typed Name & Signature of Witness(es))*

- 1) Hirofumi Matsuo June 20, 2011
Hirofumi MATSUO
- 2) Kazuaki Mino June 6, 2011
Kazuaki MINO
- 3) Hiroyuki Ota June 6, 2011
Hiroyuki OTA
- 4) Toru HOSEN June 10, 2011
Toru HOSEN
- 5) Hironobu Shiroyama June 9, 2011
Hironobu SHIROYAMA

PATENT

RECORDED: 07/14/2011

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