

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                       | NEW ASSIGNMENT                                     |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|----------------------------------------------------|---------------------|------------------------------------|--------------|------------|-----------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                                                  | 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>Hiromitsu TERUI</td> <td>08/06/2010</td> </tr> <tr> <td>Hideki ASUKE</td> <td>08/06/2010</td> </tr> <tr> <td>Hideharu TAKANO</td> <td>08/06/2010</td> </tr> <tr> <td>Masayoshi YAMAMOTO</td> <td>08/06/2010</td> </tr> </tbody> </table> |                                                    | Name          | Execution Date                                     | Hiromitsu TERUI     | 08/06/2010                         | Hideki ASUKE | 08/06/2010 | Hideharu TAKANO | 08/06/2010 | Masayoshi YAMAMOTO | 08/06/2010 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                   | Execution Date                                     |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Hiromitsu TERUI                                                                                                                                                                                                                                                                                                                                                                                                                        | 08/06/2010                                         |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Hideki ASUKE                                                                                                                                                                                                                                                                                                                                                                                                                           | 08/06/2010                                         |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Hideharu TAKANO                                                                                                                                                                                                                                                                                                                                                                                                                        | 08/06/2010                                         |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Masayoshi YAMAMOTO                                                                                                                                                                                                                                                                                                                                                                                                                     | 08/06/2010                                         |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Sanken Electric Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-3, Kitano 3-chome, Niiza-shi</td> </tr> <tr> <td>City:</td> <td>Saitama</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>                                                                                                  |                                                    | Name:         | Sanken Electric Co., Ltd.                          | Street Address:     | 6-3, Kitano 3-chome, Niiza-shi     | City:        | Saitama    | State/Country:  | JAPAN      |                    |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sanken Electric Co., Ltd.                          |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                        | 6-3, Kitano 3-chome, Niiza-shi                     |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                  | Saitama                                            |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                         | JAPAN                                              |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>National University Corporation Shimane University</td> </tr> <tr> <td>Street Address:</td> <td>1060, Nishikawatsu-cho, Matsue-shi</td> </tr> <tr> <td>City:</td> <td>Shimane</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>                                                                     |                                                    | Name:         | National University Corporation Shimane University | Street Address:     | 1060, Nishikawatsu-cho, Matsue-shi | City:        | Shimane    | State/Country:  | JAPAN      |                    |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                  | National University Corporation Shimane University |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                        | 1060, Nishikawatsu-cho, Matsue-shi                 |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                  | Shimane                                            |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                         | JAPAN                                              |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <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 style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12861327</td> </tr> </tbody> </table>                                                                                                                                                                      |                                                    | Property Type | Number                                             | Application Number: | 12861327                           |              |            |                 |            |                    |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                          | Number                                             |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                    | 12861327                                           |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| <p>Fax Number: (703)413-2220</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-413-3000</p> <p>Email: alundsten@oblon.com</p> <p>Correspondent Name: Oblon, Spivak et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>                                                                                                    |                                                    |               |                                                    |                     |                                    |              |            |                 |            |                    |            |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                                                | 365986US91X                                        |               |                                                    |                     |                                    |              |            |                 |            |                    |            |

OP \$40.00 12861327

**501328123**

**PATENT**  
**REEL: 025180 FRAME: 0688**

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|----------------------------------------------------------------------------------------|-----------------|
| NAME OF SUBMITTER:                                                                     | Ashley Lundsten |
| Total Attachments: 2<br>source=365986USassn#page1.tif<br>source=365986USassn#page2.tif |                 |

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

WHEREAS, I (WE) Hiromitsu TERUI of Niiza-shi, Saitama, Japan

Hideki ASUKE of Niiza-shi, Saitama, Japan

Hideharu TAKANO of Niiza-shi, Saitama, Japan

Masayoshi YAMAMOTO of Matsue-shi, Shimane, Japan

, respectively,

INSERT TITLE OF  
INVENTION:

have invented certain new and useful improvements in: Resonant Power Conversion  
Apparatus

(Application No. 12/861,327, filed AUGUST 23, 2010), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, 1) Sanken Electric Co., Ltd. and 2) National University Corporation Shimane University

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1) 6-3, Kitano 3-chome, Niiza-shi, Saitama, Japan and 2) 1060, Nishikawatsu-cho, Matsue-shi, Shimane, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: August 06, 2010

Hiromitsu Terui  
(Signature of Inventor) Hiromitsu TERUI

Date: August 06, 2010

Hideki Asuke  
(Signature of Inventor) Hideki ASUKE

Date: August 06, 2010

Hideharu Takano  
(Signature of Inventor) Hideharu TAKANO

Date: August 06, 2010

Masayoshi Yamamoto  
(Signature of Inventor) Masayoshi YAMAMOTO

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

(Signature of Inventor)

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

(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314