

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>                                                                                                                                                                                                                                                                                                                                                                                                              | CORRECTIVE ASSIGNMENT                                                                                                                                                                    |               |                  |                     |                        |               |            |                 |            |                 |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|---------------------|------------------------|---------------|------------|-----------------|------------|-----------------|------------|
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                                                                                                                                                                                                                                                         | Corrective Assignment to correct the third Assignors name on a document previously recorded on Reel 023135 Frame 0306. Assignor(s) hereby confirms the Assignment of Assignors interest. |               |                  |                     |                        |               |            |                 |            |                 |            |
| <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>Masayoshi Kanno</td> <td>07/27/2009</td> </tr> <tr> <td>Kazutaka Habu</td> <td>07/28/2009</td> </tr> <tr> <td>Makoto Watanabe</td> <td>07/30/2009</td> </tr> <tr> <td>Toshiaki Yokota</td> <td>08/06/2009</td> </tr> </tbody> </table> |                                                                                                                                                                                          | Name          | Execution Date   | Masayoshi Kanno     | 07/27/2009             | Kazutaka Habu | 07/28/2009 | Makoto Watanabe | 07/30/2009 | Toshiaki Yokota | 08/06/2009 |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                 | Execution Date                                                                                                                                                                           |               |                  |                     |                        |               |            |                 |            |                 |            |
| Masayoshi Kanno                                                                                                                                                                                                                                                                                                                                                                                                                      | 07/27/2009                                                                                                                                                                               |               |                  |                     |                        |               |            |                 |            |                 |            |
| Kazutaka Habu                                                                                                                                                                                                                                                                                                                                                                                                                        | 07/28/2009                                                                                                                                                                               |               |                  |                     |                        |               |            |                 |            |                 |            |
| Makoto Watanabe                                                                                                                                                                                                                                                                                                                                                                                                                      | 07/30/2009                                                                                                                                                                               |               |                  |                     |                        |               |            |                 |            |                 |            |
| Toshiaki Yokota                                                                                                                                                                                                                                                                                                                                                                                                                      | 08/06/2009                                                                                                                                                                               |               |                  |                     |                        |               |            |                 |            |                 |            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                          |               |                  |                     |                        |               |            |                 |            |                 |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Sony Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1-7-1 Konan, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>                                                                                                                   |                                                                                                                                                                                          | Name:         | Sony Corporation | Street Address:     | 1-7-1 Konan, Minato-ku | City:         | Tokyo      | State/Country:  | JAPAN      |                 |            |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                | Sony Corporation                                                                                                                                                                         |               |                  |                     |                        |               |            |                 |            |                 |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                      | 1-7-1 Konan, Minato-ku                                                                                                                                                                   |               |                  |                     |                        |               |            |                 |            |                 |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                | Tokyo                                                                                                                                                                                    |               |                  |                     |                        |               |            |                 |            |                 |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                       | JAPAN                                                                                                                                                                                    |               |                  |                     |                        |               |            |                 |            |                 |            |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                          |               |                  |                     |                        |               |            |                 |            |                 |            |
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| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                        | Number                                                                                                                                                                                   |               |                  |                     |                        |               |            |                 |            |                 |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                  | 12545938                                                                                                                                                                                 |               |                  |                     |                        |               |            |                 |            |                 |            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                          |               |                  |                     |                        |               |            |                 |            |                 |            |
| <p>Fax Number: (312)876-7934</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3128768000</p> <p>Email: bhannon@sonnenschein.com</p> <p>Correspondent Name: SONNENSCHIN NATH &amp; ROSENTHAL, LLP</p> <p>Address Line 1: PO BOX 061080</p> <p>Address Line 2: WACKER DRIVE STATION</p> <p>Address Line 4: CHICAGO, ILLINOIS 60606</p>                                        |                                                                                                                                                                                          |               |                  |                     |                        |               |            |                 |            |                 |            |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                                                                                                                                                                                                                                                       | 09792909-7695                                                                                                                                                                            |               |                  |                     |                        |               |            |                 |            |                 |            |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                                                                                                                                                                                                                                                            | David R. Metzger                                                                                                                                                                         |               |                  |                     |                        |               |            |                 |            |                 |            |

OP \$40.00 12545938

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**PATENT**  
**REEL: 024154 FRAME: 0910**

Total Attachments: 6

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TO: SONNENSCHN NATH &amp; ROSENTHAL LLP COMPANY: P.O. BOX 061080

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.108/24/2009  
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| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                   | NEW ASSIGNMENT         |               |                  |                     |                        |               |                |                 |            |                 |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------|------------------|---------------------|------------------------|---------------|----------------|-----------------|------------|-----------------|------------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                              | ASSIGNMENT             |               |                  |                     |                        |               |                |                 |            |                 |            |
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| Name                                                                                                                                                                                                                                                                                                                                                                                               | Execution Date         |               |                  |                     |                        |               |                |                 |            |                 |            |
| Masayoshi Kanno                                                                                                                                                                                                                                                                                                                                                                                    | 07/27/2009             |               |                  |                     |                        |               |                |                 |            |                 |            |
| Kazutaka Habu                                                                                                                                                                                                                                                                                                                                                                                      | 07/28/2009             |               |                  |                     |                        |               |                |                 |            |                 |            |
| Makota Watanabe                                                                                                                                                                                                                                                                                                                                                                                    | 07/30/2009             |               |                  |                     |                        |               |                |                 |            |                 |            |
| Toshiaki Yokota                                                                                                                                                                                                                                                                                                                                                                                    | 08/06/2009             |               |                  |                     |                        |               |                |                 |            |                 |            |
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| Name:                                                                                                                                                                                                                                                                                                                                                                                              | Sony Corporation       |               |                  |                     |                        |               |                |                 |            |                 |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                    | 1-7-1 Konan, Minato-ku |               |                  |                     |                        |               |                |                 |            |                 |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                              | Tokyo 108-0075         |               |                  |                     |                        |               |                |                 |            |                 |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                     | JAPAN                  |               |                  |                     |                        |               |                |                 |            |                 |            |
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| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                |                        |               |                  |                     |                        |               |                |                 |            |                 |            |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                            | 09792909-7695          |               |                  |                     |                        |               |                |                 |            |                 |            |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                 | David R. Metzger       |               |                  |                     |                        |               |                |                 |            |                 |            |
| <p>Total Attachments: 2</p> <p>source=Sony_7695_Assgmt#page1.tif</p>                                                                                                                                                                                                                                                                                                                               |                        |               |                  |                     |                        |               |                |                 |            |                 |            |

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PATENT

REEL: 024154 FRAME: 0912

TO:SONNENSCHN NATH & ROSENTHAL LLP COMPANY:P.O. BOX 061080

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PATENT

# ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

## CONTACTLESS RECEIVER, RESONANT CIRCUIT, AND VARIABLE CAPACITANCE ELEMENT

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, **SONY CORPORATION**, a Japanese corporation, with offices at 1-7-1 Konan, Minato-ku, Tokyo, Japan (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 12/545,938, Filing Date: August 24, 2009

This assignment executed on the dates indicated below.

MASAYOSHI KANNO

Name of first or sole inventor

KANAGAWA JAPAN

Residence of First or sole inventor

Masayoshi Kanno

Signature of first or sole inventor

July 27, 2009

Execution date of U.S. Patent Application

July 27, 2009

Date of this assignment

KAZUTAKA HABU

Name of second inventor

TOKYO JAPAN

Residence of second inventor

羽生 和隆

Signature of second inventor

Execution date of U.S. Patent Application

July 28, 2009

Date of this assignment

MAKOTO WATANABE

Name of third inventor

MIYAGI JAPAN

Residence of third inventor

Makoto Watanabe

Signature of third inventor

July 30, 2009

Execution date of U.S. Patent Application

July 30, 2009

Date of this assignment

**PATENT**

**REEL: 024154 FRAME: 0914**

**ADDITIONAL INVENTOR(S)**

|                               |                                           |
|-------------------------------|-------------------------------------------|
| TOSHIKI YOKOTA                |                                           |
| Name of fourth inventor       | <u>Aug 6 2009</u>                         |
| MIYAGI JAPAN                  | Execution date of U.S. Patent Application |
| Residence of fourth inventor  |                                           |
| <u>Toshiaki Yokota</u>        | <u>Aug 6 2009</u>                         |
| Signature of fourth inventor  | Date of this assignment                   |
| <br>                          |                                           |
| Name of fifth inventor        | Execution date of U.S. Patent Application |
| Residence of fifth inventor   |                                           |
| Signature of fifth inventor   | Date of this assignment                   |
| <br>                          |                                           |
| Name of sixth inventor        | Execution date of U.S. Patent Application |
| Residence of sixth inventor   |                                           |
| Signature of sixth inventor   | Date of this assignment                   |
| <br>                          |                                           |
| Name of seventh inventor      | Execution date of U.S. Patent Application |
| Residence of seventh inventor |                                           |
| Signature of seventh inventor | Date of this assignment                   |
| <br>                          |                                           |
| Name of eighth inventor       | Execution date of U.S. Patent Application |
| Residence of eighth inventor  |                                           |
| Signature of eighth inventor  | Date of this assignment                   |
| <br>                          |                                           |
| Name of ninth inventor        | Execution date of U.S. Patent Application |
| Residence of ninth inventor   |                                           |
| Signature of ninth inventor   | Date of this assignment                   |