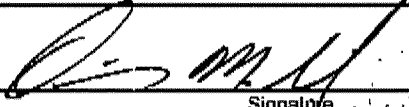


Form PTO-1595 (Rev. 03-11)  
OMB No. 0651-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### 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.

|  |  |
|--|--|
| <p><b>1. Name of conveying party(ies):</b><br/>Yoichiro Sako (02/21/2013), Takatoshi Nakamura (02/24/2013), Akira Tange (02/26/2013), and Ichiro Mayama (02/28/2013)</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><b>3. Nature of conveyance/Execution Date(s):</b><br/>Execution Date(s): <u>in parentheses after inventor name</u></p> <p><input checked="" type="checkbox"/> Assignment    <input type="checkbox"/> Merger    <input type="checkbox"/> Change of Name<br/> <input type="checkbox"/> Security Agreement    <input type="checkbox"/> Joint Research Agreement<br/> <input type="checkbox"/> Government Interest Assignment<br/> <input type="checkbox"/> Executive Order 9424, Confirmatory License<br/> <input type="checkbox"/> Other _____</p> | <p><b>2. Name and address of receiving party(ies)</b><br/>Name: <u>Sony Corporation</u></p> <p>Internal Address: _____<br/>Street Address: _____<br/><u>1-7-1 Konan, Minato-ku</u><br/><u>Tokyo</u><br/><u>108-0075</u><br/><u>JAPAN</u></p> <p>City: _____<br/>State: _____<br/>Country: _____ Zip: _____</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| <p><b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s)<br/><u>13/861,666</u></p> <p>B. Patent No.(s)<br/>_____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>   | <p><b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px;">1</span></p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br/> <input type="checkbox"/> Enclosed<br/> <input type="checkbox"/> None required (government interest not affecting title)</p>             |
| <p><b>5. Name and address to whom correspondence concerning document should be mailed:</b></p> <p>Name: <u>Dennis M. Smid, Esq.</u><br/><u>LERNER, DAVID, LITTENBERG,</u><br/><u>KRUMHOLZ &amp; MENTLIK, LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: SONYJP 3.0-3035</u><br/>Street Address: <u>600 South Avenue West</u></p> <p>City: <u>Westfield</u><br/>State: <u>NJ</u> Zip: <u>07090</u><br/>Phone Number: <u>908-654-5000</u><br/>Fax Number: <u>908-654-7866</u><br/>Email Address: <u>ataylor@ldlkm.com</u></p>   | <p><b>8. Payment Information</b></p> <p>Deposit Account Number <u>12-1095</u><br/>Authorized User Name <u>Dennis M. Smid, Esq.</u></p>   |
| <p><b>9. Signature:</b> </p> <p style="text-align: right;">Date: <u>April 12, 2013</u></p> <p style="text-align: center;">Signature: _____<br/>Date: _____</p> <p style="text-align: center;"><u>Dennis M. Smid, Esq. - 34,930</u><br/>Name of Person Signing</p>   |  |
| <p>Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px;">5</span></p>  |  |

CH \$40.00 121095 13861666

Attorney Docket No.: SONYJP 3.0-3035  
Sony Ref. No.: SP345475US00

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

Title of  
Invention

**SYSTEM, ELECTRONIC APPARATUS, AND RECORDING MEDIUM**

As the below named inventor, I hereby declare that:

This declaration  
is directed to:



The attached application, or



United States application or PCT international application number \_\_\_\_\_

filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, SONY CORPORATION, with offices at 1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, 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 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in 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 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 said 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.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: YOICHIRO SAKO

Date: February 21, 2013

Signature: *Yoichiro Sako*

Attorney Docket No.: SONYJP 3.0-3035  
 Sony Ref. No.: SP345475US00

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
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**SYSTEM, ELECTRONIC APPARATUS, AND RECORDING MEDIUM**

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This declaration  
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The attached application, or

United States application or PCT international application number \_\_\_\_\_  
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 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 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and  
 legal representatives, the entire right, title and interest in 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 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  
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And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for  
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 not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: TAKATOSHI NAKAMURA

Date: February 24, 2013

Signature:

Takatoshi Nakamura

Attorney Docket No.: SONYJP 3.0-3035  
 Sony Ref. No.: SP345475US00

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
 APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

|   |   |
|---|---|
| <b>Title of<br/>Invention</b>   | <b>SYSTEM, ELECTRONIC APPARATUS, AND RECORDING MEDIUM</b> |
| <p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/> The attached application, or</p> <p><input type="checkbox"/> United States application or PCT international application number _____<br/>         filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, <u>SONY CORPORATION</u>, with offices at<br/> <u>1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN</u> (hereinafter referred to as ASSIGNEE), is desirous of<br/>         acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar<br/>         legal protection which may be granted therefor in the United States and in any and all foreign countries;</p> <p>NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency<br/>         of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and<br/>         legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and<br/>         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<br/>         any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American<br/>         Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America<br/>         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<br/>         United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters<br/>         Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;</p> <p>And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its<br/>         designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further<br/>         remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of<br/>         the United States and countries foreign thereto;</p> <p>And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for<br/>         application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters<br/>         Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;</p> <p>And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said<br/>         application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will<br/>         testify as to the same in any interference or litigation related thereto;</p> <p>And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with<br/>         this assignment and sale.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of<br/>         not more than five (5) years, or both.</p> |   |
| <b>LEGAL NAME OF INVENTOR</b>   |   |
| Inventor: <u>AKIRA TANGE</u>  | Date: <u>February 26, 2013</u>                            |
| Signature: <u>Akira Tange</u>   |   |

Attorney Docket No.: SONYJP 3.0-3035  
Sony Ref. No.: SP345475US00

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

Title of Invention: **SYSTEM, ELECTRONIC APPARATUS, AND RECORDING MEDIUM**

As the below named inventor, I hereby declare that:

This declaration is directed to:  The attached application, or  
 United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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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 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in 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 said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

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LEGAL NAME OF INVENTOR

Inventor: ICHIRO MAYAMA

Date: February 28, 2013

Signature: [Handwritten Signature]

PATENT