

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenya Kondou</td> <td>05/23/2013</td> </tr> <tr> <td>Haruhisa Naganokawa</td> <td>05/30/2013</td> </tr> <tr> <td>Daijiro Anai</td> <td>05/23/2013</td> </tr> <tr> <td>Makoto Aoki</td> <td>05/30/2013</td> </tr> <tr> <td>Syouhei Taguchi</td> <td>06/03/2013</td> </tr> <tr> <td>Ken Koseki</td> <td>05/30/2013</td> </tr> <tr> <td>Nobuo Nakamura</td> <td>05/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kenya Kondou	05/23/2013	Haruhisa Naganokawa	05/30/2013	Daijiro Anai	05/23/2013	Makoto Aoki	05/30/2013	Syouhei Taguchi	06/03/2013	Ken Koseki	05/30/2013	Nobuo Nakamura	05/30/2013
Name	Execution Date																
Kenya Kondou	05/23/2013																
Haruhisa Naganokawa	05/30/2013																
Daijiro Anai	05/23/2013																
Makoto Aoki	05/30/2013																
Syouhei Taguchi	06/03/2013																
Ken Koseki	05/30/2013																
Nobuo Nakamura	05/30/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>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> <tr> <td>Postal Code:</td> <td>108-0075</td> </tr> </table>		Name:	Sony Corporation	Street Address:	1-7-1 Konan, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	108-0075						
Name:	Sony Corporation																
Street Address:	1-7-1 Konan, Minato-ku																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	108-0075																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13926613</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13926613												
Property Type	Number																
Application Number:	13926613																
CORRESPONDENCE DATA																	
<p>Fax Number: 3128767934  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3128767925        Email: patents.us@dentons.com        Correspondent Name: DENTONS US LLP        Address Line 1: P.O. BOX 061080        Address Line 4: CHICAGO, ILLINOIS 60606-1080</p>																	
ATTORNEY DOCKET NUMBER:	09792909-8992																

OP \$40.00 13926613

NAME OF SUBMITTER:	Susan Farley
Signature:	/susan farley/
Date:	06/25/2013
<p>Total Attachments: 7</p> <p>source=SP347482US00_USFP#page1.tif</p> <p>source=SP347482US00_USFP#page2.tif</p> <p>source=SP347482US00_USFP#page3.tif</p> <p>source=SP347482US00_USFP#page4.tif</p> <p>source=SP347482US00_USFP#page5.tif</p> <p>source=SP347482US00_USFP#page6.tif</p> <p>source=SP347482US00_USFP#page7.tif</p>	

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: KENYA KONDOU

Date: May 23, 2013

Signature: Kenya Kondou

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: HARUHISA NAGANOKAWA

Date: May 30, 2013

Signature: Haruhisa Naganokawa

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: DAIJIRO ANAI

Date: May 23, 2013

Signature: Daijiro Anai

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: MAKOTO AOKI

Date: May 30, 2013

Signature: Makoto Aoki

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: SYOUEI TAGUCHI

Date: June 3, 2013

Signature: Shouhei Taguchi

**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: KEN KOSEKI

Date: May 30, 2013

Signature: Ken Koseki



**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

**SOLID STATE IMAGING APPARATUS, ELECTRONIC APPARATUS, AND PIXEL  
READING METHOD**

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: NOBUO NAKAMURA

Date: May 30, 2013

Signature: Nobuo Nakamura