

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the postal code of the Assignee previously recorded on Reel 022800 Frame 0952. Assignor(s) hereby confirms the correct postal code for the Assignee is 108-0075.												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ariyoshi Nakaoki</td><td>04/20/2009</td></tr><tr><td>Naoto Kojima</td><td>04/20/2009</td></tr><tr><td>Koji Sekiguchi</td><td>04/20/2009</td></tr><tr><td>Osamu Kawakubo</td><td>04/22/2009</td></tr><tr><td>Kazuhiko Fijie</td><td>04/20/2009</td></tr></tbody></table>		Name	Execution Date	Ariyoshi Nakaoki	04/20/2009	Naoto Kojima	04/20/2009	Koji Sekiguchi	04/20/2009	Osamu Kawakubo	04/22/2009	Kazuhiko Fijie	04/20/2009
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Kazuhiko Fijie	04/20/2009												
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												
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PROPERTY NUMBERS Total: 1													
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Application Number:	12481061												
CORRESPONDENCE DATA													
Fax Number: (617)646-8646 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 617-646-8000													
Email: tnadeau@wolfgreenfield.com													
Correspondent Name: Wolf, Greenfield & Sacks, P.C.													
Address Line 1: 600 Atlantic Avenue													
Address Line 4: Boston, MASSACHUSETTS 02210													
ATTORNEY DOCKET NUMBER:	S1459.70599US00												

CH \$40.00 12481061

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PATENT
REEL: 022862 FRAME: 0420

NAME OF SUBMITTER:

Randy Pritzker

Total Attachments: 6

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:WOLF, GREENFIELD & SACKS, P.C. COMPANY:600 ATLANTIC AVENUE

PATENT ASSIGNMENT

Electronic Version v1.1

06/09/2009

Stylesheet Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ariyoshi Nakaoki	04/20/2009
Naoto Kojima	04/20/2009
Koji Sekiguchi	04/20/2009
Osamu Kawakubo	04/22/2009
Kazuhiko Fijie	04/20/2009

RECEIVING PARTY DATA

Name:	Sony Corporation
Street Address:	1-7-1 Konan, Minato-Ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	02210

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12481061

CORRESPONDENCE DATA

Fax Number: (617)646-8646
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 617-646-8000
Email: tnadeau@wolfgreenfield.com
Correspondent Name: Wolf, Greenfield & Sacks, P.C.
Address Line 1: 600 Atlantic Avenue
Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:

S1459.70599US00

NAME OF SUBMITTER:

Randy Pritzker

PATENT

REEL: 022862 FRAME: 0422

CH \$40.00 12481061

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Fax Server

:WOLF, GREENFIELD & SACKS, P.C. COMPANY:600 ATLANTIC AVENUE

Total Attachments: 2

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PATENT

REEL: 022862 FRAME: 0423

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, 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 SIGNAL DETECTING DEVICE AND SIGNAL DETECTING METHOD

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 referenced 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: 12/481,061, Filing Date: June 9, 2009;

This assignment executed on the dates indicated below.

Ariyoshi NAKAOKI

Name of first or sole inventor

20. Apr. 2009

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

20. Apr. 2009

Date of this assignment

中野 有 三
Signature of first or sole inventor

Naoto KOJIMA
Name of second inventor

Apr. 20, 2009
Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of second inventor

Naoto Kojima
Signature of second inventor

Apr. 20, 2009
Date of this assignment

Koji SEKIGUCHI
Name of third inventor

Apr. 20, 2009
Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of third inventor

Koji Sekiguchi
Signature of third inventor

Apr. 20, 2009
Date of this assignment

Osamu KAWAKUBO
Name of fourth inventor

Apr. 22, 2009
Execution date of U.S. Patent Application

Saitama, Japan
Residence of fourth inventor

O. Kawakubo
Signature of fourth inventor

Apr. 22, 2009
Date of this assignment

Kazuhiko FUJIE
Name of fifth inventor

April 20, 2009
Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of fifth inventor

Kazuhiko Fujie
Signature of fifth inventor

April 20, 2009
Date of this assignment