

PATENT ASSIGNMENT

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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>Erika SAITO</td> <td>09/10/2010</td> </tr> <tr> <td>Tomoya YAMAURA</td> <td>09/10/2010</td> </tr> <tr> <td>Katsutoshi ITOH</td> <td>09/13/2010</td> </tr> <tr> <td>Masahiko NAITO</td> <td>09/13/2010</td> </tr> <tr> <td>Natsuki ITAYA</td> <td>09/13/2010</td> </tr> <tr> <td>Hideyuki SUZUKI</td> <td>09/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Erika SAITO	09/10/2010	Tomoya YAMAURA	09/10/2010	Katsutoshi ITOH	09/13/2010	Masahiko NAITO	09/13/2010	Natsuki ITAYA	09/13/2010	Hideyuki SUZUKI	09/17/2010
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Hideyuki SUZUKI	09/17/2010														
RECEIVING PARTY DATA															
Name:	SONY CORPORATION														
Street Address:	1-7-1 Konan, Minato-ku,														
City:	Tokyo,														
State/Country:	JAPAN														
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>12939300</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12939300										
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Application Number:	12939300														
CORRESPONDENCE DATA															
Fax Number:	(202)408-4400														
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NAME OF SUBMITTER:	David W. Hill														

CH \$40.00 12939300

Total Attachments: 2

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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
**RADIO COMMUNICATION SYSTEM, RADIO COMMUNICATION DEVICE, RADIO COMMUNICATION METHOD,
AND PROGRAM**
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: 12/939,300, Filing Date: November 4, 2010

This assignment executed on the dates indicated below.

<u>ERIKA SAITO</u> Name of first or sole inventor	_____
<u>TOKYO JAPAN</u> Residence of first or sole inventor	_____
<u>Erika Saito</u> Signature of first or sole inventor	<u>September 10, 2010</u> Date of this assignment
<u>TOMOYA YAMAURA</u> Name of second inventor	_____
<u>TOKYO JAPAN</u> Residence of second inventor	_____
<u>Tomoya Yamaura</u> Signature of second inventor	<u>September 10, 2010</u> Date of this assignment
<u>KATSUTOSHI ITOH</u> Name of third inventor	_____
<u>TOKYO JAPAN</u> Residence of third inventor	_____
<u>K. Itoh</u> Signature of third inventor	<u>September 13, 2010</u> Date of this assignment

ADDITIONAL INVENTOR(S)

MASAHIKO NAITO

Name of fourth inventor

TOKYO JAPAN

Residence of fourth inventor

Masahiko Naito

Signature of fourth inventor

Execution date of U.S. Patent Application

September 13, 2010

Date of this assignment

NATSUKI ITAYA

Name of fifth inventor

TOKYO JAPAN

Residence of fifth inventor

Natsuki Itaya

Signature of fifth inventor

Execution date of U.S. Patent Application

September 13, 2010

Date of this assignment

HIDEYUKI SUZUKI

Name of sixth inventor

TOKYO JAPAN

Residence of sixth inventor

Hideyuki Suzuki

Signature of sixth inventor

Execution date of U.S. Patent Application

September 17, 2010

Date of this assignment

Name of seventh inventor

Execution date of U.S. Patent Application

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Name of eighth inventor

Execution date of U.S. Patent Application

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Name of ninth inventor

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