

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>Yoshiteru Kamatani</td><td>01/21/2009</td></tr><tr><td>Masamichi Asukai</td><td>01/23/2009</td></tr><tr><td>Taiji Ito</td><td>01/27/2009</td></tr><tr><td>Yoichiro Sako</td><td>01/16/2009</td></tr><tr><td>Akana Sano</td><td>01/30/2009</td></tr><tr><td>Akinobu Sugino</td><td>01/30/2009</td></tr></tbody></table>	Name	Execution Date	Yoshiteru Kamatani	01/21/2009	Masamichi Asukai	01/23/2009	Taiji Ito	01/27/2009	Yoichiro Sako	01/16/2009	Akana Sano	01/30/2009	Akinobu Sugino	01/30/2009	
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Akinobu Sugino	01/30/2009														
RECEIVING PARTY DATA															
Name:	Sony Corporation														
Street Address:	1-7-1 Konan, Minato-ku														
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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>12409800</td></tr></tbody></table>	Property Type	Number	Application Number:	12409800											
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CORRESPONDENCE DATA															
Fax Number:	(617)646-8646														
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ATTORNEY DOCKET NUMBER:	S1459.70565US00														
NAME OF SUBMITTER:	Randy J. Pritzker														

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PATENT

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Total Attachments: 3

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PATENT

REEL: 022442 FRAME: 0013

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 COMMUNICATION EQUIPMENT AND COMMUNICATION SYSTEM

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: 12/409,800, Filing Date: March 24, 2009.

This assignment executed on the dates indicated below.

Yoshiteru KAMATANI

Name of first or sole inventor

January 21, 2009

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of first or sole inventor

January 21, 2009

Yoshiteru Kamatani
Signature of first or sole inventor

Date of this assignment

PATENT

REEL: 022442 FRAME: 0014

Masamichi ASUKAI
Name of second inventor

January 23, 2009
Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of second inventor

Masamichi Asukai
Signature of second inventor

January 23, 2009
Date of this assignment

Taiji ITO
Name of third inventor

January 27, 2009
Execution date of U.S. Patent Application

Kanagawa, Japan
Residence of third inventor

Taiji Ito
Signature of third inventor

January 27, 2009
Date of this assignment

Yoichiro SAKO
Name of fourth inventor

January 16, 2009
Execution date of U.S. Patent Application

Tokyo, Japan
Residence of fourth inventor

Yoichiro Sako
Signature of fourth inventor

January 16, 2009
Date of this assignment

Akane SANO
Name of fifth inventor

January 30, 2009
Execution date of U.S. Patent Application

Tokyo, Japan
Residence of fifth inventor

Akane Sano
Signature of fifth inventor

January 30, 2009
Date of this assignment

Akinobu SUGINO

January 30, 2009

Name of sixth inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of sixth inventor

Akinobu Sugino

January 30, 2009

Signature of sixth inventor

Date of this assignment

Name of seventh inventor

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Name of eighth inventor

Execution date of U.S. Patent Application

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Signature of eighth inventor

Date of this assignment

Name of ninth inventor

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Signature of ninth inventor

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