

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>Kenji ASAKURA</td><td>04/18/2007</td></tr><tr><td>Kiyotada YOKOGI</td><td>02/28/2007</td></tr></tbody></table>	Name	Execution Date	Kenji ASAKURA	04/18/2007	Kiyotada YOKOGI	02/28/2007	
Name	Execution Date						
Kenji ASAKURA	04/18/2007						
Kiyotada YOKOGI	02/28/2007						
RECEIVING PARTY DATA							
Name:	SONY CORPORATION						
Street Address:	1-7-1 Konan						
Internal Address:	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>11652952</td></tr></tbody></table>	Property Type	Number	Application Number:	11652952			
Property Type	Number						
Application Number:	11652952						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	075834.00932						
NAME OF SUBMITTER:	Robert J. Depke						
Total Attachments: 2 source=932_Assignment#page1.tif source=932_Assignment#page2.tif							

CH 11652952 \$40.00

PATENT

500264043

REEL: 019202 FRAME: 0034

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

ANTENNA DEVICE, ANTENNA REFLECTOR, AND WIRELESS COMMUNICATION UNIT INCORPORATING
ANTENNA

for which an 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, do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, the entire right, title and interest in the said invention, said application, including any divisions and continuations as well as any reissues and reexaminations 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 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:

Application No. 11/ 652,952 Filing Date: January 12, 2007

This assignment executed on the dates indicated below.

Kenji ASAKURA

Name of first or sole inventor

Execution date of U.S. Patent Application

Fukui, Japan

Residence of first or sole inventor

Kenji Asakura
Signature of First or sole inventor

April 18, 2007

Date of this Assignment

Kiyotada YOKOGI

Name of second inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of second inventor

Kiyotada Yokogi

February 28, 2007

Signature of second inventor

Date of this Assignment

Name of third inventor

Execution date of U.S. Patent Application

Residence of third inventor

Signature of third inventor

Date of this Assignment

Name of fourth inventor

Execution date of U.S. Patent Application

Residence of fourth inventor

Signature of fourth inventor

Date of this Assignment

Name of fifth inventor

Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor

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Name of sixth inventor

Execution date of U.S. Patent Application

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Signature of sixth inventor

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Name of seventh inventor

Execution date of U.S. Patent Application

Residence of seventh inventor

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RECORDED: 04/24/2007

REEL: 019202 FRAME: 0036