

## 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>Akihiro KOMORI</td> <td>04/02/2012</td> </tr> <tr> <td>Qihong WANG</td> <td>04/02/2012</td> </tr> <tr> <td>Tomohisa TANAKA</td> <td>04/02/2012</td> </tr> <tr> <td>Tsuyoshi ISHIKAWA</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Akihiro KOMORI	04/02/2012	Qihong WANG	04/02/2012	Tomohisa TANAKA	04/02/2012	Tsuyoshi ISHIKAWA	04/02/2012
Name	Execution Date										
Akihiro KOMORI	04/02/2012										
Qihong WANG	04/02/2012										
Tomohisa TANAKA	04/02/2012										
Tsuyoshi ISHIKAWA	04/02/2012										
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>13474333</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13474333						
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Application Number:	13474333										
CORRESPONDENCE DATA											
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Correspondent Name:	FINNEGAN, HENDERSON, FARABOW, GARRETT &										
Address Line 1:	901 NEW YORK AVENUE, NW										
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001-4413										
ATTORNEY DOCKET NUMBER:	09812.2698										
NAME OF SUBMITTER:	Veronica Bayne										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 13474333

**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 INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, PROGRAM, AND INFORMATION PROCESSING 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 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: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

AKIHIRO KOMORI  
Name of first or sole inventor  
TOKYO, JAPAN  
Residence of First or sole inventor  
*Akihiro Komori*  
Signature of first or sole inventor

Execution date of U.S. Patent Application  
  
April 2, 2012  
Date of this assignment

QIHONG WANG  
Name of second inventor  
TOKYO, JAPAN  
Residence of second inventor  
*Qihong Wang*  
Signature of second inventor

Execution date of U.S. Patent Application  
  
April 2, 2012  
Date of this assignment

TOMOHISA TANAKA  
Name of third inventor  
TOKYO, JAPAN  
Residence of third inventor  
*Tomohisa Tanaka*  
Signature of third inventor

Execution date of U.S. Patent Application  
  
April 2, 2012  
Date of this assignment

**ADDITIONAL INVENTOR(S)**

TSUYOSHI ISHIKAWA Name of fourth inventor	_____	_____
KANAGAWA, JAPAN Residence of fourth inventor	_____	Execution date of U.S. Patent Application
<u>TSUYOSHI ISHIKAWA</u> Signature of fourth inventor	_____	<u>April 2, 2012</u> Date of this assignment

_____	_____	_____
Name of fifth inventor	_____	Execution date of U.S. Patent Application
_____	_____	_____
Residence of fifth inventor	_____	_____
_____	_____	_____
Signature of fifth inventor	_____	Date of this assignment

_____	_____	_____
Name of sixth inventor	_____	Execution date of U.S. Patent Application
_____	_____	_____
Residence of sixth inventor	_____	_____
_____	_____	_____
Signature of sixth inventor	_____	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	_____	Execution date of U.S. Patent Application
_____	_____	_____
Residence of ninth inventor	_____	_____
_____	_____	_____
Signature of ninth inventor	_____	Date of this assignment