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	U.S. DEPARTMENT OF COMMERC			
10159	Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks: Please 1  1. Name of conveying party(ies)  1) Shinichi OGASAWARA  Additional name(s) of conveying party(ies) attached No	2. Name and address of receiving party(ies) Name: SONY CORPORATION Internal Address:			
3. Nature of conveyance:   ☐ Assignment ☐ Merger  ☐ Security Agreement ☐ Change of Name  Other  Execution Date: 1) December 21, 2000	Street Address: 7-35 Kitashinagawa 6-chome Shinagawa-ku  City: Tokyo, JAPAN  Additional name(s) & address(es) attached  Yes  No			
Application number(s) or patent number(s):  If the document is being filed together with a new application, the example of the document is being filed together with a new application, the example of the document is being filed together with a new application, the example of the document is being filed together with a new application, the example of the document is being filed together with a new application.	execution date of the application is $\  \   $ <b>December 21, 2000</b> $\  \   $ nbers attached $\  \   $ <b>No</b>			
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved: 1			
Name: Ronald P. Kananen	7. Total fee (37 CFR 3.41) \$ 40.00			
Internal Address: RADER, FISHMAN & GRAUER Suite 501	☐ Enclosed  ☑ Authorized to be charged to Deposit Account			
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Docket Number: SDE 979

## 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

## COMPUTER

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 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JAPAN, (hereinafter referenced as ASSIGNEES) 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 Ten Dollar (\$10.00), 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 ASSIGNEES, 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 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 ASSIGNEES, 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 ASSIGNEES or its designee, as ASSIGNEES 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;

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Attorney Docket No. SDE-979

Date of this assignment

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 ASSIGNEES 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 exe	cuted on the dates indicated below.
Shinichi OGASAWARA	
Name of first inventor	Execution date of U.S. Patent Application
Tokyo, JAPAN	
Residence of first inventor	
Signature of first inventor	December 21, 2000
Signature of first inventor	Date of this assignment
Name of second inventor	Execution date of U.S. Patent Application
Residence of second inventor	

Signature of second inventor

RECORDED: 01/10/2001

PATENT REEL: 011451 FRAME: 0467