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To the Honorable Commissioner of Pat			ttached origina	Patent and Tra	
<ol> <li>Name of conveying party(ies)</li> </ol>	/ 9.λ/	2. Name and ad			thereof.
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Tatsuo NAGAMATSU		Sh	7-35 Kitashi	nagawa 6-chome kyo 141-0001, Japan	
Additional name(s) of conveying party(ies) attached? Yes <u>X</u> No		Additional name	(s) & address(e	es) attached?Ye	es <u>x</u> No
3. Nature of conveyance:					0
X Assignment Security Agreement				33 <sup>7</sup>	
Merger Change of Name				0 <u>0</u>	
Other					,86 /86
Execution Date: <u>May 11, 2004</u>					10,
<ol> <li>Application number(s) or patent numl If this document is be the application is: <u>N</u></li> <li>A. Patent Application No.(s)</li> </ol>	l L eing filed together with May 11, 2004	a new applicatio	on, the execution	on date of	
	Additional numbers atta	ched? Yes	<u>X</u> No		
5. Name and address of party to whom co					
concerning document should be mailed	:	6. Total numbe patents inv	olved		
lame: WILLIAM S. FROMMER		7. Total fee (	37 CFR 3.41) .		\$ 40.00
Internal Address: FROMMER LAWRENCE & HAUG LLP		<u>_X</u>	Enclosed	to be charged to	
Street Address: 745 FIFTH AVENUE	·		deposit acco		······································
City: <u>NEW YORK</u> State: <u>N.Y.</u>	<ol> <li>Deposit account number: (Attach duplicate copy of this page if paying by deposit account)</li> </ol>				
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<ol> <li><u>Statement and signature</u>.</li> <li>To the best of my knowledge and beli of the original document.</li> </ol>	ef, the foregoing infor	mation is true an	d correct and a	any attached copy i	s a true copy
William S. Frommer	UBRai M	fromme		June 3, 2004	
Name of Person Signing	Sitgriat	ure.	Total num sheet, at	Date ber of pages incluc tachments, and docu	ling cover ment: 2
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Public burden reporting for this sample of including time for reviewing the document Send comments regarding this burden estim PK2-1000C, Washington, D.C. 20231, and to Washington, D.C. 20503.	cover sheet is estimated t and gathering the data mate to the U.S. Patent	to average about needed, and comp and Irademark Off	leting and rev	iewing the sample c	over sheet.

PATENT REEL: 015446 FRAME: 0166

CMS Docket Number:

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if ...e name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

## · INFORMATION PROCESSING APPARATUS 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 7-35 Kitashinagawa 6-Chome, Shinagawa-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.

Tatsuo NAGAMATSU

Name of first or sole inventor	Execution date of U.S. Patent Application
Tokyo, Japan	
Residence of first or sole inventor	
	May 11, 2004
Cater Marmati	May 11, 2007
Signature of first or sole inventor	Date of this assignment
<b>y</b>	
Name of second inventor	Execution date of U.S. Patent Application
rame or second fiventor	Excession date of U.S. I atem Application
Residence of second inventor	
Signature of second inventor	Date of this assignment
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

PATENT REEL: 015446 FRAME: 0167

**RECORDED: 06/03/2004**