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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(ies)
TOMOYUKI ASANO (05/19/2003), YOSHIHITO ISHIBASHI (05/20/2003), TAIZO SHIRAI (05/19/2003), AND TORU AKISHITA (05/28/2003)	Name: SONY CORPORATION Internal Address:
	Street Address:
Execution Date(s): in parentheses after inventor name Additional name(s) of conveying party(les) attached? Yes X No	1-7-1 Konan, Minato-ku Tokyo
3. Nature of Conveyance:	108-0075
x Assignment Merger	JAPAN
Security Agreement Change of Name	City:
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Executive Order 9424, Confirmatory License	Country: Zip:
Olher	Additional name(s) & address(es) Yes X No attached:
A. Patent Application No.(s) Additional numbers attached:	B. Patent No.(s) 7,669,052 7 Yes X No
i. Name and address to whom correspondence	6. Total number of applications and patents involved:
conceming document should be mailed: Name: Andrew T. Zidel LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SONYTA 3.3-139 CONT DIV III	Authorized to be charged by credit card
Street Address: 600 South Avenue West	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title
City: Westfield	8. Payment Information
State: NJ Zip: 07090	a, Credit Card Last 4 Numbers
Phone Number: (908) 518-6385	Expiration Date 12-1095
Fax Number: (908) 654-0415 Fmail Address: azidel@ldlkm.com	b. Deposit Account Number 12-1095 Authorized User Name Andrew T. Zidel
9. Signature:	Febru <u>ary</u> 12, 2010
Signature	Date
Andrew T. Zidel - 45,256 Name of Person Signing	Total number of pages Including cover sheet, attachments, and documents:

1143427

PATENT REEL: 023937 FRAME: 0766

Docket No: SONYTA 3.3-139 CONT Sony Ref. No.: S01P0079US01J

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:

DATA PROCESSING APPARATUS AND DATA PROCESSING METHOD

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 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 application number and filing date of this application in the spaces that follow: Application Number: 10/412,771, Filing Date: April 11, 2003.

This assignment executed on the dates indicated below.

Tomoyuki Asano Name of First or Sole Inventor	Execution Date of U.S. Patent Application
Kanagawa, Japan Residence of First or Sole Inventor	
Founda's Chance	May 19, 2000
Signature of First or Sole Inventor	Date of this Assignment

PATENT REEL: 023937 FRAME: 0767 LDLKM

Docket No: SONYTA 3.3-139 CONT Sony Ref. No.: S01P0079US01J

Yo <u>shihito Ishibashi</u>	December 11 C. December 1 declination
Name of Second Joint Inventor	Execution Date of U.S. Patent Application
Гокуо, Јарап	
Peridence of Second Joint Inventor	
Yes hibite Ishibashi Signature of Second Joint Inventor	Date of this Assignment
Signature of Second Joint Inventor	Date of this Assignment
Taizo Shiraí	Day of U.S. Dearst Application
Name of Third Joint Inventor	Execution Date of U.S. Patent Application
Tokyo, Japan	
Residence of Third Joint Inventor	
Signature of Third Joint Inventor	May 19 2003 Date of this Assignment
Signature of Third Joint Inventor	Date of this Assignment
Toru Akishita	
Name of Fourth Joint Inventor	Execution Date of U.S. Patent Application
Chiba, Japan	
Residence of Fourth Joint Inventor	_
Jone Okishita	May 28, 2003 Date of this Assignment
Signature of Fourth Joint Inventor	Date of this Assignment
	Execution Date of U.S. Patent Application
Name of Fifth Joint Inventor	Execution Date of U.S. Patent Application
Residence of Fifth Joint Inventor	
	Date of this Assignment
Signature of Fifth Joint Inventor	TABLE AT him annufamentary

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PATENT REEL: 023937 FRAME: 0768

RECORDED: 02/16/2010