

1-30-07



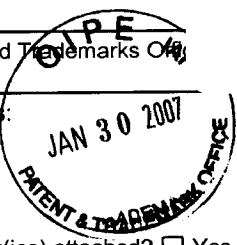
To the Director of the U.S. Patents and Trademarks Office

103369206

prints or copy thereof.

1. **Name of conveying parties:**  
 1. Hoshin MOON  
 2. Hiroaki YAMAJO  
 3. Kazuhiko UEDA

Additional name(s) of conveying party(ies) attached?  Yes  No



2. Name and address of receiving party:  
 Name: SONY CORPORATION

Internal Address: 7-35 KITASHINAGAWA 6-CHOME  
SHINAGAWA-KU, TOKYO, JAPAN

Street Address:

City:

State: Zip Code:

Additional name(s) & Address(es) attached?  
 Yes  No

3. **Nature of conveyance/Execution Dates:**  
 Execution Dates:  
 1. January 22, 2007  
 2. January 18, 2007  
 3. January 18, 2007

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

4. **Application number(s) or patent number(s):**  This document is being filed together with a new application.

A. Patent Application Number(s):  
 11/504,041

Additional numbers attached?  Yes  No

B. Patent Number(s):

Yes  No

5. **Name and address of to whom correspondence concerning document should be mailed:**

Name: Mr. Ernest F. Chapman

6. **Total number of applications and registrations involved:** 1

7. **Total fee (37 CFR 3.41): \$40**

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed (Please charge deficiency to deposit account)  
 None required (government interest not affecting title)

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.  
 Street Address: 901 New York Avenue, NW  
 City: Washington, D.C.  
 State: Zip: 20001-4413

8. **Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_  
 b. Deposit Account No.: 06-0916  
 Authorized User Name \_\_\_\_\_

8. **Statement and signature.**  
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

02/01/2007 DBYRNE 00000101 11504041  
01 FC:8021

David W. Hill

40.00 DP

*Ernest F. Chapman*  
Signature

ERNEST F. CHAPMAN

January 30, 2007

Date

Total number of pages including cover sheet, attachments and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO box 1450, Alexandria, VA 22313-1450

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, DATA PROCESSING METHOD, 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 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 serial number and filing date of this application in the spaces that follow: Serial Number: 11/504041, Filing Date: August 15, 2006.

This assignment executed on the dates indicated below.

<u>Hoshin MOON</u>	_____
Name of first or sole inventor	Execution date of U.S. Patent Application
<u>Tokyo, Japan</u>	_____
Residence of first or sole inventor	
<u>Hoshin Moon</u>	<u>January, 22th, 2007</u>
Signature of first or sole inventor	Date of this assignment

Hiroaki YAMAJI  
Name of second inventor Execution date of U.S. Patent Application

Tokyo, Japan  
Residence of second inventor

Signature of second inventor Date of this assignment

Kazuhiko UEDA  
Name of third inventor Execution date of U.S. Patent Application

Kanagawa, Japan  
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 Date of this assignment

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, DATA PROCESSING METHOD, 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 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 serial number and filing date of this application in the spaces that follow: Serial Number: 11/504041, Filing Date: August 15, 2006.

This assignment executed on the dates indicated below.

<u>Hoshin MOON</u>	Execution date of U.S. Patent Application
Name of first or sole inventor	
<u>Tokyo, Japan</u>	
Residence of first or sole inventor	
_____ Signature of first or sole inventor	Date of this assignment

Hiroaki YAMAJO  
Name of second inventor Execution date of U.S. Patent Application

Tokyo, Japan  
Residence of second inventor

Hiroaki Yamajo January 18, 2007  
Signature of second inventor Date of this assignment

Kazuhiko UEDA  
Name of third inventor Execution date of U.S. Patent Application

Kanagawa, Japan  
Residence of third inventor

Kazuhiko Ueda Jan. 18th, 2007  
Signature of third inventor Date of this assignment

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Name of fourth inventor Execution date of U.S. Patent Application

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Residence of fourth inventor

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Signature of fourth inventor Date of this assignment

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Name of fifth inventor Execution date of U.S. Patent Application

\_\_\_\_\_  
Residence of fifth inventor

\_\_\_\_\_  
Signature of fifth inventor Date of this assignment