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U.S. PTO
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04/09/2008

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

04-17-2008

103497354

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

ET

To the Director of the U.S. Patent and [illegible] documents or the new address(es) below.

1. Name of conveying party(ies):
Kazuyuki Yamamoto (03/18/2008), Toshio Mamiya (03/18/2008), Hidetoshi Kabasawa (03/18/2008), Katsuhiko Yamada (03/19/2008),
Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)
Name: Sony Corporation
Internal Address:
Street Address:
1-7-1 Konan, Minato-ku
Tokyo, 108-0075
JAPAN
City:
State:
Country: Zip:
Additional name(s) & address(es) attached: ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

4. Application or patent number(s): ☒ This document is being filed together with a new application.
A. Patent Application No.(s)
This application
B. Patent No.(s)
Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Randy J. Pritzker
WOLF, GREENFIELD & SACKS, P.C.
Internal Address:
Street Address: Federal Reserve Plaza
600 Atlantic Avenue
City: Boston
State: MA Zip: 02210-2206
Phone Number: 617.646.8000
Fax Number: 617.646.8646
Email Address: rpritzker@wolfgreenfield.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) $ 40.00
☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers
Expiration Date
b. Deposit Account Number
Authorized User Name

9. Signature:
Randy J. Pritzker
Signature
April 9, 2008
Date
Randy J. Pritzker - 35,986
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 8

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05 FC:8021 40.00 OP

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Dated: April 9, 2008

S1459.70452US00
1359965.1

Form PTO-1595

RECORDATION FORM COVER SHEET
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Takashi Yamada (03/17/2008), and Hideaki Kumagai (03/18/2008)

Additional Assignees (2. Continued):

Assignee Name: ____________________
Internal Address:
Street Address:

City: __________ State: __________ Country: __________ Zip: __________

Assignee Name: ____________________
Internal Address:
Street Address:

City: __________ State: __________ Country: __________ Zip: __________

Assignee Name: ____________________
Internal Address:
Street Address:

City: __________ State: __________ Country: __________ Zip: __________

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:

Additional numbers attached? ☐ Yes ☐ No

U.S. PTO
12/082174
04/09/2008

S08P0580US00
S1459.70452US00

Docket Number: _________

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor 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 DEVICE AND DISK DRIVE DEVICE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my na and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-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 grant 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 consideratic the receipt and sufficienc of which are hereb acknowledged, I, as a sole or joint inventor as indicated below, b hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title a interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Lette Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priori rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Conventi Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Ameri adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue t 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 ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to r and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said inventio 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 lawf papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require a prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documer relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known a 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 wh 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 this application in the spaces that follow: Serial Number: ____________, Filing Date: ____________.

This assignment executed on the dates indicated below.

Kazuyuki YAMAMOTO
Name of first or sole inventor

March 18, 2008
Execution date of U.S. Patent Applicat

Kanagawa, Japan
Residence of first or sole inventor

Kazuyuki Yamamoto
Signature of first or sole inventor

March 18, 2008
Date of this assignme

Toshio MAMIYA — March 18, 2008

Name of second inventor — Execution date of U.S. Patent Applicati

Tokyo, Japan

Residence of second inventor

Toshio Mamiya — March 18, 2008

Signature of second inventor — Date of this assignme

Hidetoshi KABASAWA — March. 18, 2008

Name of third inventor — Execution date of U.S. Patent Applicati

Saitama, Japan

Residence of third inventor

Hidetoshi Kabasawa — March. 18, 2008

Signature of third inventor — Date of this assignme

Katsuhiko YAMADA — March, 19. 2008

Name of fourth inventor — Execution date of U.S. Patent Applicati

Tokyo, Japan

Residence of fourth inventor

Katsuhiko, Yamada — March, 19. 2008

Signature of fourth inventor — Date of this assignme

Takashi YAMADA

Name of fifth inventor — Execution date of U.S. Patent Applicati

Tokyo, Japan

Residence of fifth inventor

Signature of fifth inventor — Date of this assignme

Hideaki KUMAGAI March 18, 2008

Name of sixth inventor Execution date of U.S. Patent Applicati

Kanagawa, Japan

Residence of sixth inventor

Hideaki Kumagai March 18, 2008

Signature of sixth inventor Date of this assignme

Name of seventh inventor Execution date of U.S. Patent Applicati

Residence of seventh inventor

Signature of seventh inventor Date of this assignme

Name of eighth inventor Execution date of U.S. Patent Applicati

Residence of eighth inventor

Signature of eighth inventor Date of this assignme

Name of ninth inventor Execution date of U.S. Patent Applicati

Residence of ninth inventor

Signature of ninth inventor Date of this assignme

S08P0580US00
S1459.70452US00

Docket Number: ____________

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (i 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 DEVICE AND DISK DRIVE DEVICE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my nam and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-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 grante 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, b hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title an interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letter Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priorit rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Conventio Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Americ adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing o patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue th 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 o ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to m 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 lawfu papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue o reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require an prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and document relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known an 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 whic 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 c this application in the spaces that follow: Serial Number: ____________________, Filing Date: ____________________.

This assignment executed on the dates indicated below.

Kazuyuki YAMAMOTO
Name of first or sole inventor
Execution date of U.S. Patent Applicatio

Kanagawa, Japan
Residence of first or sole inventor

Signature of first or sole inventor
Date of this assignme

Toshio MAMIYA

Name of second inventor — Execution date of U.S. Patent Applica

Tokyo, Japan

Residence of second inventor

Signature of second inventor — Date of this assignm

Hidetoshi KABASAWA

Name of third inventor — Execution date of U.S. Patent Applica

Saitama, Japan

Residence of third inventor

Signature of third inventor — Date of this assignm

Katsuhiko YAMADA

Name of fourth inventor — Execution date of U.S. Patent Applica

Tokyo, Japan

Residence of fourth inventor

Signature of fourth inventor — Date of this assignn

Takashi YAMADA — 17 Mar. 2008

Name of fifth inventor — Execution date of U.S. Patent Applica

Tokyo, Japan

Residence of fifth inventor

Takashi Yamada — 17 Mar. 2008

Signature of fifth inventor — Date of this assignn

Hideaki KUMAGAI

Name of sixth inventor Execution date of U.S. Patent Applicat

Kanagawa, Japan

Residence of sixth inventor

Signature of sixth inventor Date of this assignm

Name of seventh inventor Execution date of U.S. Patent Applicat

Residence of seventh inventor

Signature of seventh inventor Date of this assignm

Name of eighth inventor Execution date of U.S. Patent Applicat

Residence of eighth inventor

Signature of eighth inventor Date of this assignm

Name of ninth inventor Execution date of U.S. Patent Applicat

Residence of ninth inventor

Signature of ninth inventor Date of this assignm