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the attached original documents or copy thereof.

1. Name of conveying party(ies):

Tetsujiro KONDO
Wataru NIITSUMA
Naoki KOYBAYASHI

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

2. Name and address of receiving party(ies):

Name: SONY CORPORATION
Address: 7-35, Kitashinagawa 6-chome
Shinagawa-ku
Tokyo 141-0001, Japan

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 22, 2005; March 24, 2005
and March 25, 2005

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/531,005

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Customer Number

22850

Tel. (703) 413-3000
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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
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9. 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.

Gregory J. Maier
Name of Person Signing

Surinder Sachar
Signature

May 13 2005
Date

Registration Number: 25,599

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Total number of pages including this cover sheet: 3

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PATENT
REEL: 016559 FRAME: 0742

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) 1) Tetsujiro KONDO

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

2) Wataru NIITSUMA

3) Naoki KOBAYASHI

all of

c/o SONY CORPORATION

7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, Japan

INSERT TITLE
OF INVENTION:

_____, respectively,
have invented certain new and useful improvements in: _____

MEMORY DEVICE AND DEVICE AND METHOD FOR DETECTING MOTION VECTOR

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. 10/531,005, filed April 12, 2005), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, SONY CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: 7-35, Kitashinagawa 6-chome,

Shinagawa-ku, Tokyo 141-0001, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: March 22, 2005

Tetsujiro Kondo
(Signature of Inventor) Tetsujiro KONDO

Date: March 24, 2005

Wataru Niitsuma
(Signature of Inventor) Wataru NIITSUMA

Date: March 25, 2005

Naoki Kobayashi
(Signature of Inventor) Naoki KOBAYASHI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

03/03