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To the Honorable Commissioner

102233923

the attached original documents or copy thereof.

1. Name of conveying party(ies): **SEP 24 AM 10:03**
 Masahiro FUJITA, Tsuyoshi TAKAGI, Rika HORINAKA, JUN YOKONO,
 Gabriel COSTA, Hideki SHIMOMURA, Katsuki MINAMINO

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

2. Name and address of receiving party(ies)
 Name: SONY CORPORATION
 7-35 Kitashinagawa 6-chome
 Shinagawa-Ku, Tokyo 141-0001, Japan

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

3. Nature of conveyance:
 Assignment
 Security Agreement
 Merger
 Change of Name
 Other

9-24-02

Execution Date: June 28, July 3, July 3, July 3, July 4,
June 28 and July 4, 2002

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

If this document is being filed together with a new application, the execution date of the application is:

A. USSN 10/149,996 (corresponding to Int'l Patent Application No.(s) PCT/JP01/08953 filed 11 October 2001)

Additional numbers attached? Yes No

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

Name: WILLIAM S. FROMMER
 Internal Address: FROMMER LAWRENCE & HAUG LLP
 Street Address: 745 FIFTH AVENUE
 City: NEW YORK State: N.Y. Zip: 10151

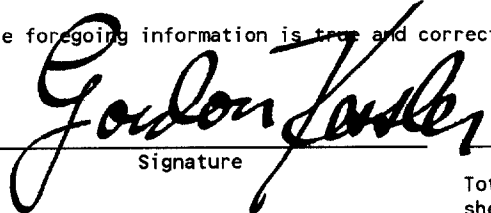
6. Total number of applications and patents involved 1

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Gordon Kessler  September 18, 2002

Name of Person Signing Signature Date

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ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, 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

ROBOT APPARATUS AND BEHAVIOR CONTROL METHOD FOR ROBOT APPARATUS

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 141-0001 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 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: International Serial Number: **PCT/JP01/08953**, International Filing Date: **11 October 2001**.

This assignment executed on the dates indicated below.

Masahiro FUJITA

Name of first or sole inventor Execution date of U.S. Patent Application

Saitama, Japan

Residence of first or sole inventor

Masahiro Fujita

June 28, '02

Signature of first or sole inventor

Date of this assignment

Tsuyoshi TAKAGI

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

Kanagawa, Japan

Residence of second inventor

Tsuyoshi Takagi

July . 03 . 02

Signature of second inventor

Date of this assignment

Rika HORINAKA

Name of third inventor

Execution date of U.S. Patent Application

Tochigi, Japan

Residence of third inventor

Signature of third inventor

Rika Horinaka

Date of this assignment

July 03, '02

Jun YOKONO

Name of fourth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of fourth inventor

Signature of fourth inventor

Jun Yokono

Date of this assignment

July 03, '02

Gabriel COSTA

Name of fifth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of fifth inventor

Signature of fifth inventor

Gabriel Costa

Date of this assignment

July 4, 2002

Hideki SHIMOMURA

Name of sixth inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of sixth inventor

Signature of sixth inventor

Hideki Shimomura

Date of this assignment

June 28, 2002

Katsuki MINAMINO

Name of seventh inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of seventh inventor

Signature of seventh inventor

Katsuki Minamino

Date of this assignment

July 4, 2002