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Docket No. 9792909-5464

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 RECOMMENDATION COVER SHEET
PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Keisuke Toyama
Shiro Suzuki
Minoru Tsuji

11-4-02

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

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

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

3. Nature of conveyance:

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

Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: **August 30, 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. Patent Application No.(s)

10/204,298

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No

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

David R. Metzger
Sonnenschein Nath & Rosenthal
Post Office Box 061080
Wacker Drive Station
Sears Tower
Chicago, Illinois 60606-1080
(312) 876-8000

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

19-3140

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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.

David R. Metzger

Name of Person Signing

Signature

10/25/2002

Date

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11/07/2002 TDIAZ1 00000208 10204298

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PATENT
REEL: 013458 FRAME: 0048

ASSIGNMENT

FOR a valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned

KEISUKE TOYAMA; SHIRO SUZUKI AND MINORU TSUJI

whose mailing address(es) is/are:

c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan 141-0001 Japan

hereby sell(s), assign(s) and transfer(s) unto SONY CORPORATION, a corporation of Japan, having its principal office at 6-7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, Japan,

the whole right, title and interest in and to a certain invention or improvement in

"ENCODING DEVICE AND DECODING DEVICE"

disclosed in an application for Letters Patent of the United States, prepared by the firm of Sonnenschein, Nath & Rosenthal of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. 09792909-5464 - U.S. Serial No., and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

I/We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said Sony Corporation.

For the same consideration, I/we hereby agree that I/we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: August 30, 2002

Keisuke Toyama
Keisuke Toyama

DATE: August 30, 2002

Shiro Suzuki
Shiro Suzuki

DATE: August 30, 2002

Minoru Tsuji
Minoru Tsuji