

09-09-1998



Docket No. 50M2437

**PATENT RECORDATION COVER SHEET**  
100825140

To the Assistant Commissioner for Patents. Please record the attached original documents or copies thereof.

8-31-98  
1. Name of conveying party(ies):  
Amelia Carino Luna, Jason (Naxin) Wang, Richard Lawrence Williams  
Additional names attached?  NO  YES

10514 U.S. PTO  
09/144693  
08/31/98

2. Name and address of receiving party(ies):  
Sony Corporation, 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo, Japan  
— and —  
Sony Electronics Inc., 1 Sony Drive, Park Ridge, New Jersey 07656  
Additional names and addresses attached?  NO  YES

3. Nature of Conveyance:  
 Assignment  Security Agreement  Merger  
 Change of Name  Other \_\_\_\_\_

**Execution Date:** August 31, 1998

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: August 31, 1998

A. Patent application numbers: 09144693  
B. Patent numbers:  
Additional numbers attached?  NO  YES

5. Name and address of party to whom correspondence concerning document should be mailed:  
Sony Corporation of America  
Intellectual Property Dept., MD T1-1  
1 Sony Drive 40E

09/09/1998 JSHRDAZZ 00000146 193195 09144693

01 FC:581 40.00 CH

ASSIGN COVERSHEET SEL 09/25/97

**PATENT**  
**REEL: 9431 FRAME: 0043**

Park Ridge, NJ 07656

Attn: Jerry A. Miller

(201) 930-6064 FAX # (201) 930-6854

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to charge to deposit account.

Charge any additional fees required to deposit account.

8. Deposit Account Number: 19-3195

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.

Frederick J. Zustak  
Name of Person Signing

*Frederick J. Zustak*  
Signature

8/31/98  
Date

Total number of pages including cover sheet: 4

<p style="text-align: center;"><b>CERTIFICATE OF EXPRESS MAILING FOR NEW PATENT APPLICATION</b></p> <p style="text-align: center;">"Express Mail" mailing label number <u>EH 082 536 521 US</u></p> <p style="text-align: center;">Date of Deposit <u>AUGUST 31, 1998</u></p> <p>I hereby certify that this paper and any paper referred to herein is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231</p> <p style="text-align: center;"><u>FREDERICK J. ZUSTAK</u> (Typed or printed name of person mailing paper or fee)</p> <p style="text-align: center;"><u><i>Frederick J. Zustak</i></u> (Signature of person mailing paper or fee)</p>
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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 Amelia Carino Luna, Jason (Naxin) Wang, Richard Lawrence Williams 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 and Sony Electronics Inc. a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey 07656 (hereinafter referenced as ASSIGNEES) 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 ASSIGNEES, 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 ASSIGNEES, as the assignees 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 ASSIGNEES or its designee, as ASSIGNEES 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 ASSIGNEES thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES 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 execution date, serial number and filing date of this application in the spaces that follow: Serial Number: not yet assigned, Filing Date: unknown.

This assignment executed on the dates indicated below.

Amelia Carino Luna  
Name of first inventor Execution date of U.S. Patent Application

291 Bangor Avenue, San Jose, CA 95123  
Residence of first or sole inventor

ac luna Signature of first or sole inventor Aug. 31, 1998 Date of this assignment



STATE OF California )  
COUNTY OF Santa Clara ) ss.

On this 31<sup>st</sup> day of August, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named assignors, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged execution of this instrument.

Adriane Elizabeth Giberson  
Notary Public

ASSIGN-NOTARY-SEL 09/25/97

Jason (Naxin) Wang  
Name of second inventor

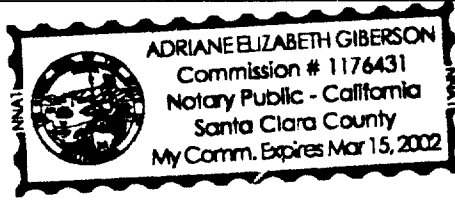
Execution date of U.S. Patent Application

930 Rockefeller Dr., #3B, Sunnyvale, CA 94087  
Residence of second inventor

J. Naxin  
Signature of second inventor

Aug. 31, 1998  
Date of this assignment

STATE OF California  
COUNTY OF Santa Clara ss.



On this 31st day of August, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named assignors, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged execution of this instrument.

Adriane Elizabeth Giberson  
Notary Public

Richard Lawrence Williams  
Name of third inventor

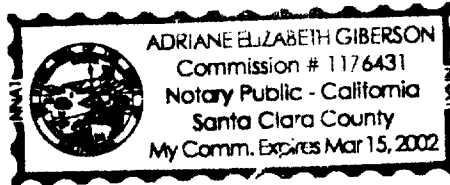
Execution date of U.S. Patent Application

P.O. Box 66101, Scotts Valley, CA 95067  
Residence of third inventor

Richard Williams  
Signature of third inventor

Aug 31, 98.  
Date of this assignment

STATE OF California  
COUNTY OF Santa Clara ss.



On this 31st day of August, in the year of 1998, before me, the undersigned notary public, personally appeared the above-named assignors, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged execution of this instrument.

Adriane Elizabeth Giberson  
Notary Public