

02-25-2002

ASSIG



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SHEET

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

3C868 U.S. PTO  
10/074773  
02/11/02

1. Name of conveying party(ies)

- a) Shirish Gadre
- b) Fang-Chuan Wu
- c) Elif Albuz
- d) Raman Subramanian

02/11/02

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

- a) Name: Sony Corporation  
Address: 7-35 Kitashinagawa, 6-Chome, Shinagawa-Ku, Tokyo JAPAN
- b) Name: Sony Electronics Inc.  
Address: 1 Sony Drive, Park Ridge, NJ 07656

3. Nature of conveyance

- |                                     |                    |                          |                   |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment         | <input type="checkbox"/> | Merger            |
| <input type="checkbox"/>            | Security Agreement | <input type="checkbox"/> | Change of Name    |
| <input type="checkbox"/>            | Other _____        | <input type="checkbox"/> | License Agreement |

Execution Date: 1/9/2002 (a)(c)(d); 2/5/2002(b);

4. Application Number(s) or Patent Number(s): New

The title of the (new) application is:

**METHOD AND APPARATUS FOR EFFICIENTLY ALLOCATING MEMORY WHEN SWITCHING BETWEEN DVD AUDIO AND DVD VIDEO**

5. Please send all correspondence concerning this (these) documents to:

**Beyer Weaver & Thomas, LLP**  
P.O. Box 778  
Berkeley, CA 94704-0778  
Ph: (650) 961-8300  
Fax: (650) 961-8301  
(Customer Number: 022434)

6. Total number of applications and patents involved: 1

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

- Enclosed
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. \_\_\_\_\_)

8. 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.

Date: February 11, 2002

\_\_\_\_\_  
Michael J. Ferrazano  
Registration No. 44,105

02/21/2002 Y4ED11 (650)961-8300 10074773  
02/23/02 40.00 02

Attorney Docket No. SONYP003

(Revised 12/01)

## ASSIGNMENT OF PATENT APPLICATION

**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 **METHOD AND APPARATUS FOR EFFICIENTLY ALLOCATING MEMORY WHEN SWITCHING BETWEEN DVD AUDIO AND DVD VIDEO** 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 thereof;

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: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This Assignment executed on the dates indicated below.

1/9/02

Shirish Gadre

Name of first inventor

Execution date of U.S. Patent Application

1265 N. Capitol Ave. #78, San Jose, CA 95132

Residence of first or sole inventor

SGadre

01/09/2002

Signature of first or sole inventor

Date of this Assignment

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2001, before me, \_\_\_\_\_, Notary Public, personally appeared Shirish Gadre, personally 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 to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)

Fang-Chuan Wu

Name of second inventor

Execution date of U.S. Patent Application

2/5/02

1751 Mandan Place, Fremont, CA 94539

Residence of second inventor

[Signature]

2/5/02

Signature of second inventor

Date of this Assignment

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2001, before me, \_\_\_\_\_, Notary Public personally appeared Fang-Chuan Wu, personally 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 to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)

Elif Albuz

1/9/02

Name of third inventor

Execution date of U.S. Patent Application

825 E. Evelyn Ave. #605, Sunnyvale, CA 94086

Residence of third inventor

*[Signature]*

01/09/2002

Signature of third inventor

Date of this Assignment

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 2001, before me, \_\_\_\_\_, Notary Public personally appeared Elif Albuz, personally 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 to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)

Raman Subramanian

1/9/02

Name of fourth inventor

Execution date of U.S. Patent Application

1701. Warburton Ave. # 5 Santa Clara CA 95050

Residence of fourth inventor

*[Signature]*

Jan 9th 2002

Signature of fourth inventor

Date of this Assignment

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 2001, before me, \_\_\_\_\_, Notary Public personally appeared XXXXXXXXXXXX, personally 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 to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_

(SEAL)