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Name (line 1) Fengduo Hu

Execution Date  
Month Day Year  
01 23 2001

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

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Name (line 1) Sony Corporation

Name (line 2)

☐ If document to be recorded  
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Address (line 1) 7-35 Kitashinagawa 6-Chome

Address (line 2) Shinagawa-Ku

Address (line 3) Tokyo

Japan

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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PATENT  
REEL: 011546 FRAME: 0937

**Correspondent Name and Address**

Area Code and Telephone Number

(415) 276-0200

Name Charles J. Kulas

Address (line 1) Townsend and Townsend and Crew, LLP

Address (line 2) Two Embarcadero Center, 8<sup>th</sup> Floor

Address (line 3) San Francisco, CA 94111

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 5

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

09/694,474

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application  
Number has not been assigned.

PCT

PCT

PCT

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**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☐

Deposit Account ☒

**Deposit Account**

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 20-1430

Authorization to charge additional fees:

Yes ☒

No ☐

**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. Charges to deposit account are authorized, as indicated herein.*

Charles J. Kulas, Reg. No. 35,809

Name of Person Signing

Signature

Date

**RECORDATION FORM COVER SHEET  
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Name (line 2)	<input type="text"/>	
Name (line 1)	<input type="text"/>	Execution Date Month Day Year <input type="text"/>
Name (line 2)	<input type="text"/>	

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

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Name (line 1)	<input type="text" value="Sony Electronics, Inc."/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2)	<input type="text"/>	
Address (line 1)	<input type="text" value="1 Sony Drive"/>	
Address (line 2)	<input type="text"/>	
Address (line 3)	<input type="text" value="Park Ridge"/> <input type="text" value="New Jersey"/>	<input type="text" value="07656"/>
	City State/Country	Zip Code
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Name (line 2)	<input type="text"/>	
Address (line 1)	<input type="text"/>	
Address (line 2)	<input type="text"/>	
Address (line 3)	<input type="text"/> <input type="text"/>	
	City State/Country	Zip Code

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
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**ASSIGNMENT OF PATENT APPLICATION**

SOLE

WHEREAS, Fengduo Hu, of 18808 Arata Way, Cupertino, CA 95014; hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:           SYSTEM AND METHOD FOR BIT ALLOCATION IN AN  
                                      AUDIO ENCODER

Date(s) of execution of Declaration: 1/23/2001

Filing Date:                   October 23, 2000

Application No.:              09/694,474; and

WHEREAS, Sony Corporation, a corporation of Japan, located at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan and Sony Electronics Inc., a corporation of the U.S., located at 1 Sony Drive, Park Ridge, NJ 07656, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

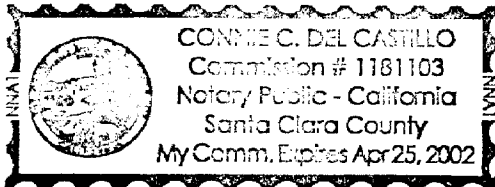
Dated: 1/23/2001

Fengduo Hu  
Fengduo Hu

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) ss.

On January 23, 2001, before me, Connie C. del Castillo,  
personally appeared Fengduo Hu, 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, 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.



Connie C. del Castillo  
NOTARY PUBLIC

My Commission Expires: 04/25/02