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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE


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100790775

Case Docket No. 50M2510/994

TO THE HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS:  
PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOFU.S. PTO  
09/128924

1. Name of conveying party(ies): Fengduo Hu  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: Sony Corporation  Internal Address:  Street Address: 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku  City: Tokyo Country: Japan  Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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  Execution Date: August 4, 1998	
4. Application number(s) or patent number(s): unknown If this document is being filed together with a new application, the execution date of the application is:  <p style="text-align: center;">August 4, 1998</p> <p style="text-align: center;">Date</p>	
A. Patent Application No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B. Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: GREGORY J. KOERNER Carr & Ferrell, LLP Street Address: 2225 East Bayshore Road, Suite 200  City: Palo Alto State: CA ZIP: 94303	6. Number of applications and patents involved: [ 1 ]  7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: 06-0600 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> 08/10/1998 JAMES 04 FC:501 </div> <div style="width: 60%;"> 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. </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;"> DENNIS A. NICHOLLS Name of Person Signing </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 30%; text-align: center;"> 4 August 1998 Date </div> </div> <div style="text-align: right; margin-top: 5px;"> Total number of pages including cover sheet, attachments and document: [ 3 ] </div>	

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Box Assignment

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

PATENT

REEL: 9370 FRAME: 0001

**ATTACHMENT TO (BOX No. 2) NAME AND ADDRESS OF RECEIVING PARTIES**

NAME: Sony Electronics Inc.

STREET: 1 Sony Drive

CITY: Park Ridge

STATE: New Jersey

ZIP CODE: 07656

SOM2510/994

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, **Fengduo Hu**, do hereby sell, assign, and transfer to **Sony Corporation**, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan, and to **Sony Electronics Inc.**, a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey 07656 ("Assignees"), their successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

**"System And Method For Implementing  
A Refined Psycho-Acoustic Modeler"**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignees may apply for and receive Letters Patent for said improvements in their own names; and that, when requested, without charge to, but at the expense of, said Assignees, their successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignees, their successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignees, their successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignees, their successors, assigns and legal representatives; and

Covenant with said Assignees, their successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date:

8/4/98

Name:

Fengduo Hu  
Fengduo Hu

PATENT

RECORDED: 08/04/1998

REEL: 9370 FRAME: 0003