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08-03-2006

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

7-31-06

1. Name of conveying party(ies)

Xiadong Mao

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

2. Name and address of receiving party(ies)

Name: Sony Computer Entertainment Inc.

Internal Address: _____

Street Address: 2-6-21 Minami-Aoyama

City: Minato-ku

State: Tokyo

Country: Japan Zip: 107-0062

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 06/14/2006

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
11/418,988

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Richard H. Butler

Internal Address: _____

Street Address: 5655 Silver Creek Valley Road
#106

City: San Jose

State: CA Zip: 95138

Phone Number: 408-425-3376

Fax Number: 408-999-0606

Email Address: rich@valleyoaklaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

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b. Deposit Account Number _____

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9. Signature:

Signature

07/26/2006

Date

Richard H. Butler (Reg. # 40,932)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

08/02/2006 DBYRNE 00000206 11418988
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

This assignment, by **Xiadong Mao** (hereinafter referred to as Assignor), residing at Foster City, California, witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements in

“ULTRA SMALL MICROPHONE ARRAY” (Docket Number **SCEA05062US00**) for which application for Letters Patent Serial No. **11/381,729** was filed on **May 4, 2006**.

“METHODS AND APPARATUSES FOR CAPTURING AUDIO SIGNALS BASED ON A VISUAL IMAGE” (Docket Number **SCEA05076US00 (SCEA-00400)**) for which application for Letters Patent Serial No. **11/418,989** was filed on **May 4, 2006**.

“METHODS AND APPARATUSES FOR ADJUSTING A LISTENING AREA FOR CAPTURING SOUNDS” (Docket Number **SCEA05063US00 (SCEA-00300)**) for which application for Letters Patent Serial No. **11/418,988** was filed on **May 4, 2006**.

“METHODS AND APPARATUSES FOR ADJUSTING CAPTURING AN AUDIO SIGNAL BASED ON A LOCATION OF THE SIGNAL” (Docket Number **SCEA05077US00 (SCEA-00500)**) for which application for Letters Patent Serial No. **11/429,047** was filed on **May 4, 2006**.

“ECHO AND NOISE CANCELLATION” (Docket Number **SCEA05064US00**) for which application for Letters Patent Serial No. **11/381,728** was filed on **May 4, 2006**.

“NOISE REMOVAL FOR ELECTRONIC DEVICE WITH FAR FIELD MICROPHONE ON CONSOLE” (Docket Number **SCEA05073US00**) for which application for Letters Patent Serial No. **11/381,727** was filed on **May 4, 2006**.

WHEREAS,

SONY COMPUTER ENTERTAINMENT INC.

(hereinafter referred to as the Assignee), a body having corporate powers under the laws of **JAPAN**, and having its office at **2-6-21 Minami-Aoyama, Minato-ku, TOKYO 107-0062, JAPAN**, is desirous of obtaining the entire right, title and interest in and to said inventions and said application for Letters Patent, and in and to any Letters Patent, United States or foreign, to be obtained therefor and thereon, and to any and all improvements which are disclosed in said application for Letters Patent

NOW, THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged:

1. The Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over unto said Assignee, the entire right, title and interest in, to and under said inventions; said application for Letters Patent; any Letters Patent which may be granted for said inventions in the United States of America and any foreign country; any division, continuation, and continuation-in-part of said application; any reissue or extension of said Letters Patent; and all rights under the International Convention for the Protection of Industrial Property; said right, title and interest to be held and enjoyed by said Assignee for its own use and behoove to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.
2. Said Assignor hereby warrants and represents that, at the time of execution and delivery of these presents, said Assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and said application for Letters Patent, and that the same has not entered into any assignment, contract or understanding in conflict herewith.
3. Said Assignor hereby covenants and agrees to assist and cooperate with said Assignee, whereby said Assignee may enjoy to the fullest extent said right, title and interest herein conveyed, provided, however, that the entire expense which may be incurred by said Assignor in lending such assistance and cooperation be paid by Assignee. Such cooperation shall include: (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect said right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications, declarations and other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee for filing or prosecuting in the United States or any foreign country said application, any application which is a division, continuation, or continuation-in-part of said application, any reissue application for any Letters Patent granted on said application, or for any interference proceeding involving said application or Letters Patent granted thereon; and (c) prompt assistance and cooperation in the prosecution of all legal proceedings involving said inventions, said application, or Letters

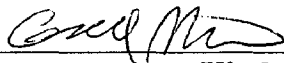
Patent granted thereon, including oppositions, cancellation proceedings, priority contests, public use proceedings and court actions.

4. The terms, covenants and conditions of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives, and shall be binding upon said Assignor, his heirs, legal representatives and assigns.

5. Said Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to said Assignee as the assignee of said inventions.

IN WITNESS WHEREOF said Assignor has executed and delivered this instrument on the date noted below.

Date: 2006-6-14 ..



Xiadong Mao


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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/418,988
	Filing Date	05/04/2006
	First Named Inventor	Mao
	Group Art Unit	2615
	Examiner Name	
Total Number of Pages in This Submission	6	Attorney Docket Number SCEA-00300


ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <i>w/ cover sheet</i>	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) ___ Sheet(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Notice to File Missing Parts Application Papers Sheet	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit overpayment to Deposit Account No: 50-1963. A duplicate copy of this authorization is enclosed.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Richard H. Butler
Signature	
Date	07/26/2006

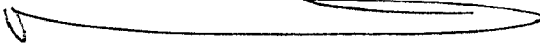
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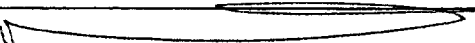
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on this date:		07/26/2006
Type or printed name	Richard H. Butler	
Signature		Date 07/26/2006

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	Filing Date	05/04/2006	
	First Named Inventor	Mao	
	Group Art Unit	2615	
	Examiner Name		
Total Number of Pages in This Submission	6	Attorney Docket Number	SCEA-00300

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers <i>w/ cover sheet</i> (for an Application) <input type="checkbox"/> Drawing(s) __ Sheet(s) <input checked="" type="checkbox"/> Credit Card Authorization \$40.00 <input type="checkbox"/> Executed Declaration __ Sheet(s) <input type="checkbox"/> Notice to File Missing Parts Application Papers Sheet <input checked="" type="checkbox"/> Postcard <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request of Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Additional Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Richard H. Butler
Signature	
Date	07/26/2006

CERTIFICATE OF MAILING			
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Type or printed name	Richard H. Butler		
Signature		Date	07/26/2006