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U.S. DEPARTMENT OF COMMERCE
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HEET

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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.

1. Name of conveying party(ies):
Nobukazu Suzuki (11/22/2007), Masaru Uryu (11/22/2007), and Yoshio Ohashi (11/22/2007)

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

2. Name and address of receiving party(ies)
Name: Sony Corporation
Internal Address: _____
Street Address: _____

1-7-1 Konan, Minato-ku
Tokyo, 108-0075
JAPAN

City: _____
State: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement 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)
This application
B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Randy J. Pritzker
WOLF, GREENFIELD & SACKS, P.C.
Internal Address: _____
Street Address: Federal Reserve Plaza
600 Atlantic Avenue

City: Boston
State: MA Zip: 02210-2206
Phone Number: (617) 646-8000
Fax Number: (617) 646-8646
Email Address: rpritzker@wolfgreenfield.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)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number _____
Authorized User Name _____

9. Signature:
Randy J. Pritzker
Signature _____ Date 1-17-08
Randy J. Pritzker - 35,986
Name of Person Signing _____ Total number of pages including cover sheet, attachments, and documents: 3

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PATENT
REEL: 020441 FRAME: 0967

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in SPEAKER DEVICE AND SPEAKER-EXCITATION METHOD

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 1-7-1 Konan, Minato-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) 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, hereby assign, sell and transfer unto the said ASSIGNEE, 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 prior 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 patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE, as the assignee 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 ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention and 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 reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require prepare at its own expense;

And I further agree that ASSIGNEE 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 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 serial number and filing date in this application in the spaces that follow: Serial Number: _____, Filing Date: _____.

This assignment executed on the dates indicated below.

Nobukazu SUZUKI

November 22, 2007

Name of first or sole inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of first or sole inventor

November 22, 2007

Nobukazu Suzuki
Signature of first or sole inventor

Date of this assignment

Masaru URYU

November 22, 2007

Name of second inventor

Execution date of U.S. Patent Applicati

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Date of this assignme

Yoshio OHASHI

November 22, 2007

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Residence of third inventor

Yoshio Ohashi

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Signature of third inventor

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Name of fourth inventor

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Execution date of U.S. Patent Applicati

Residence of fifth inventor

Signature of fifth inventor

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