Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)	U.S. DEPARTMENT OF COMMERCI United States Patent and Tradeit ark Offic
RECORDATION FOR	
PATENTS ONLY	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es)	
1. Name of conveying party(les):	2. Name and address of receiving party(les)
Philip John Kawasaki-Hedges (07/11/2006), Shinpei Kondo (07/11/2006), and Hiroyuki Yoshida (07/11/2006)	Name: Sony Corporation
Additional name(s) of conveying party(les) attached?	Street Address:
3. Nature of conveyance/Execution Date(s):	1-7-1 Konan, Minato-ku
Execution Date(s): In parentheses after inventor name	Tokyo 108-0075
Assignment Merger Change of Name	JAPAN
Security Agreement Joint Research Agreement	City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:
Other	Additional name(s) & address(es) Yes X
Additional numbers attached	7 Yes XNo
5. Name and address to whom correspondence concerning document should be malled:	6. Total number of applications and 1
Name: Bruno Polito LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: Sonyjp 3.0-1539	
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account
	Enclosed
	None required (government interest not affecting title
City: Westfield	8. Payment Information
State: NJ Zip: 07090	
Phone Number: 908-654-5000	
Fax Number: 908-654-7866	Deposit Account Number 12-1095
Email Address:ataylor@ldlkm.com	Authorized User Name Bruno Polito
9. Signature:	
Signature	October 26, 2011, Date
Bruno Polito - 38,580	
Name of Person Signing	sheet, attachments, and documents:

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PATENT REEL: 027137 FRAME: 0453

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507H1849US00

SONVJP 3.0-1539

Docket Number:

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, aim a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and usefullimprovements in SPEAKER APPARATUS AND DISPLAY APPARATUS WITH SPEAKER

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 sufficience of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the antire 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 ASSIGNEE, as the assignce of the whole right, title and interest therein;

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 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 ASSIGNEE thereof shall hereafter require and 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 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 of 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 of this application in the spaces that follow: Serial Number: 12/002,937 Filing Date: December 19, 2007

This assignment executed on the dates indicated below.

Philip John KAWASAKI-HEDGES

Name of first or sole inventor

Tokyo, Japan

Residence of first or sole inventor ALS

07/11/06 Execution date of U.S. Patent Application

07/11/06

Date of this assignment

Signature of first or sole inventor

PATENT REEL: 027137 FRAME: 0454

S07121849US00

Shinpei KONDO	07 11.06
Name of second inventor	Execution date of U.S. Platent Application
Tokyo, Japan	
Residence of second inventor	
_ Shipei Hondo-	04 4 4
Signature of second inventor	<u>07.11.6</u>
Hiroyuki YOSHIDA	07'11.06
Name of third inventor	Execution data -611.0. Di
Kanagawa, Japan	Execution date of U.S. Patent Application
Residence of third inventor	
Hiroyuki Yoshida	
Signature of third inventor	
Name of fourth inventor	Execution date of U.S. Patent Application
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PATENT REEL: 027137 FRAME: 0455

RECORDED: 10/26/2011