
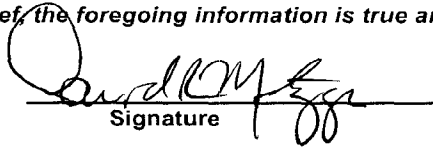


APD 581/40

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FORM PTO-1595	RE	08-16-2004	U.S. DEPARTMENT OF COMMERCE
1/31/92	4.15.04		Patent and Trademark Office
To the Honorable Commissioner of		102814240	ached original documents or copy thereof.
1. Name of conveying party(ies): HIROYUKI HONMA JUN MATSUMOTO 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: <u>Sony Corporation</u> Internal Address: <u>7-35, Kitashinagawa 6-chome</u> <u>Shinagawa-ku, Tokyo 141, Japan</u> Street Address: _____ City: _____ State: _____ Zip: _____ Additional Name(s) & Address(es) attached <input type="checkbox"/> Yes <input checked="" 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 <u>March 16 and 17, 2004</u>			
4. Application (number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>3/16/04</u> <u>and 3/17/04</u> A. Patent Application No.(s) B: Patent No.(s) Attorney Docket No. 09792909-5916 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: SONNENSCHN NATH & ROSENTHAL LLP P.O. Box #061080 Wacker Drive Station Sears Tower Chicago, IL 60606-1080 Customer ID No. 26263		6. Total number of applications and patents involved <u>1</u> 7. Total Fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to American Express Acct. No. 378571697401002. Form 2038 is attached for that purpose. <input checked="" type="checkbox"/> Any deficiency is authorized to be charged to deposit account or any additional fees 8. Deposit Account Number: <u>19.3140</u> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature: <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>David R. Metzger</u> Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> <u>April 15, 2004</u> Date Total number of pages 3 </div> </div>			
Mail documents to be recorded and required cover sheet information to: Commissioner for Patents Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450			

ASSIGNMENT

WHEREAS, I, as below named inventor, residing at the address stated next to our name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in SIGNAL ENCODING APPARATUS AND SIGNAL ENCODING METHOD, AND SIGNAL DECODING APPARATUS AND SIGNAL DECODING 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 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 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, by these presents do 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 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 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 design, 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 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 of this application in the spaces that follow: International Serial Number: PCT/JP03/09613; International Filing Date: 29 July 2003.

This assignment executed on the dates indicated below.

Hiroyuki HONMA
Name of first or sole Inventor

Hiroyuki Honma
Signature of first or sole Inventor

Chiba, Japan
Residence of first or sole Inventor

March 16, 2004
Execution Date of this Assignment

50370790US00

Jun MATSUMOTO

Name of second Inventor

Jun Matsumoto
Signature of second Inventor

Kanagawa, Japan

Residence of second Inventor

'04 Mar. 17
Execution Date of this Assignment