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| Hideki Yoneoka (05/12/2009) and Atsuomi Ohno (05/13/2009)   | Name: Sony Corporation   |
| Additional name(s) of conveying party(ies) attached?  | Internal Address: Street Address:  |
| 3. Nature of conveyance/Execution Date(s):  Execution Date(s): in parentheses after inventor name  X Assignment | 1-7-1 Konan Minato-Ku, Tokyo 108-0075 JAPAN  City:  State:  Country:  Additional name(s) & address(es) attached?   |
| 4. Application or patent number(s):  A. Patent Application No.(s)  This application                             | This document is being filed together with a new application.  B. Patent No.(s)  |
| Additional numbers attached?  | Yes X No   |
| <ol><li>Name and address to whom correspondence<br/>concerning document should be mailed:</li></ol>             | 6. Total number of applications and patents involved:  |
| Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC   | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  |
| Internal Address: Atty. Dkt.: SON-4241 Street Address: 1233 20th Street, N.W. Suite 501                         | X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)   |
| City: Washington  | 8. Payment Information   |
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| 9. Signature:  Signature  Christopher M. Tobin - 40,290  Ronald P. Kananen – 24,104                             | ### May 20, 2009 1245371.  Date  ### Total number of pages including cover sheet, attachments, and documents:  |
| Name of Person Signing  | The state of the s |

**PATENT** 

REEL: 022748 FRAME: 0947

|  | Docket Number:   |
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| Α  | SSIGNMENT  |
|  | or, residing at the address stated next to my name, am a sole inventor in names are listed below) of certain new and useful improvements in US   |
| for which application for Letters Patent of the United States and address;   | of America was executed by me on the date indicated next to my na  |
| Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desir   | ler any Letters Patent or similar legal protection which may be grant  |
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|  | f record in this application to insert the serial number and filing date   |
| This assignment executed on the dates indicated bel  | ow.  |
| rri delei womowa   | May 12. 2009   |
| Hideki YONEOKA Name of first or sole inventor  | Execution date of U.S. Patent Application  |
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Hidek: Yongoka Signature of first or sole inventor

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May 12, 2009

Date of this assignme

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| Signature of second inventor              | Date of this assignme                   |
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