

04-02-2002



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## UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: SONY-50M2773

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231, on the below date of deposit.

|                  |          |                                    |                   |   |                          |
|------------------|----------|------------------------------------|-------------------|---|--------------------------|
| Date of Deposit: | 02/25/02 | Name of Person Making the Deposit: | KATHERINE RINALDI | Signature of the Person Making the Deposit: | <i>Katherine Rinaldi</i> |
|------------------|----------|------------------------------------|-------------------|---|--------------------------|

The Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Re-Submission of Transmittal of Assignment

1. Name of conveying party(ies): Simon Gibbs

Serial No.: 09/174,078  
Filed: 10/16/98

Group Art Unit:  
Examiner:

2. Name and Address of Receiving party(ies): SONY CORPORATION, 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo, Japan  
SONY ELECTRONICS, INC., 1 Sony Drive, Park Ridge, New Jersey, 07656

3. Nature of Conveyance: Corrective Assignment  
Execution Date: 10/15/98

4. New Patent Application entitled: VIRTUAL DEVICE CONTROL MODULES AND FUNCTION CONTROL MODULES IMPLEMENTED IN A HOME AUDIO/VIDEO NETWORK

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

Name: Anthony C. Murabito  
Address: Wagner, Murabito & Hao LLP  
Two North Market Street, Third Floor, San Jose, CA 95113  
Phone: (408) 938-9060

6. Total Number of applications and patents involved: ONE

7. **Fee Calculation** (for other than a small entity)

Assignment Recordation Fee, per property

1 X \$40.00

**Total Fees** (37 CFR 3.41)

\$40.00

The amount of \$ 40.00 is enclosed

8. At any time during the pendency of this application, please charge any additional fees required or credit any overpayments to Deposit Account 23-0085. A duplicate copy of this transmittal is enclosed.

x Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

## 9. Statement and signature:

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.

04/01/2002 DBYRNE 00000175 230085 09174078

01 FC:581 40.00 CH

Date: February 25, 2002

Name: Anthony C. Murabito  
Reg. No. 35,295

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: SONY-50M2773

09-02-1999

Whereby certify that this transmittal of the bel  
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on the below date of deposit.

Date of Deposit: 08/25/99 Name of Person  
Making the Dep.



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ower Building, Suite 10C35, Washington, D.C., 20231,

Person

making the Deposit:

Katharine Rinaldi

The Assistant Commissioner for Patents  
Washington, D.C. 20231

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Please record the attached original document(s) or copy(ies) thereof:

8.30.99

Transmittal of an Assignment

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Serial No.: 09/174,078  
Filed: 10/16/98

Group Art Unit:  
Examiner:

2. Name and Address of Receiving party(ies): SONY CORPORATION OF JAPAN, 7-35 Kitashingawa 6-Chome,  
Shinagawa-ku, Tokyo, Japan  
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07656
3. Nature of Conveyance: Assignment  
Execution Date: 10/15/98

4. New Patent Application entitled: VIRTUAL DEVICE CONTROL MODULES AND FUNCTION  
CONTROL MODULES IMPLEMENTED IN A HOME AUDIO/VIDEO  
NETWORK

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

Name: Glenn D. Barnes  
Address: Wagner, Murabito & Hao LLP  
Two North Market Street, Third Floor, San Jose, CA 95113  
Phone: (408) 938-9060

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9. Statement and signature:

*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.*

Name Glenn D. Barnes  
Reg. No. 42,293

Date: August 25, 1999

09/02/1999 MTHAI1 00000092 09174078

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40.00 OP



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IN THE UNITED STATES



OFFICE

No.: SONY-50M2773

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| Date of Deposit:   | 10/16/98 | Name of Person Making the Deposit:          | Tony Chou |
|  |          | Signature of the Person Making the Deposit: | Tony Chou |

The Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please record the attached original document(s) or copy(ies) thereof:

Transmittal of an Assignment

1. Name of conveying party(ies): Simon Gibbs

Serial No.:

Filed: 10/16/98

Group Art Unit:

Examiner:

2. Name and Address of Receiving party(ies): Sony Corporation and Sony Electronics, Inc.
- 
- 3300 Zanker Road, San Jose, California 95134-1940

3. Nature of Conveyance: Assignment
- 
- Execution Date: 10/15/98

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10/22/1998  
03 FC:581

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.

40.00 DP

Date:

10/16/98

Name: Glenn D. Barnes  
Reg. No.: 42,293PATENT  
REEL: 9526 FRAME: 0976PATENT  
REEL: 012728 FRAME: 0316

10-16-98  
MEO

THE UNITED STATES



101050247

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10/22/1998  
03 FC:581

40.00 DP

Date:

11/06/1998

Name: Glenn D. Barnes  
Reg. No.: 42,293

PATENT  
REEL: 9526 FRAME: 0976

PATENT  
REEL: 012728 FRAME: 0317

**Assignment To SONY Corporation and SONY Electronics, Inc.**

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Simon Gibbs

do hereby sell, assign, and transfer unto SONY Corporation and SONY Electronics, Inc. (hereinafter called the Assignees), a Corporation of Delaware and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

VIRTUAL DEVICE CONTROL MODULES AND FUNCTION CONTROL MODULES IMPLEMENTED IN A  
HOME AUDIO/VIDEO NETWORK

X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: \_\_\_\_\_ filed on \_\_\_\_\_ and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of the Assignees, their successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to the Assignees, their successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by the Assignees.

I/we further covenant with the Assignees, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature:  Date: 10/15/98