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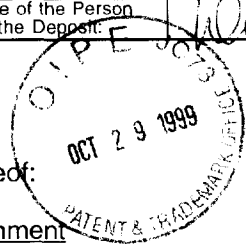
I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the U.S. Patent and Trademark Office, Assignment Branch, North Tower Building, Suite 10C35, Washington, D.C., 20231,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

Date of Deposit:	10/25/99	Name of Person Making the Deposit:	DESTREE ORTIZ	Signature of the Person Making the Deposit:	<i>[Signature]</i>
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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): Mehrdad Nayebi; Stephen D. Edwards and Phil Shapiro

Serial No.: 09/183,452
Filed: 10/30/98

Group Art Unit: 2816
Examiner:

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

3. Nature of Conveyance: Assignment
Execution Date: 02/24/99, 02/24/99, 02/24/99

4. New Patent Application entitled: LOW SIDE CURRENT SINK CIRCUIT HAVING IMPROVED OUTPUT IMPEDANCE TO REDUCE EFFECTS OF LEAKAGE CURRENT

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 \$40.00
Total Fees (37 CFR 3.41)

X 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.

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.

11/03/1999 MTHAI1 00000124 09183452

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Date: October 25, 1999

[Signature]
Name: Anthony C. Murabito
Reg. No. 35,295

09-03-1999

IN THE U



10/117800

ADEMARK OFFICE

Docket No.: SONY-50M2407

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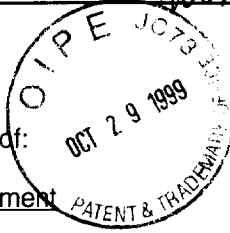
Date of Deposit:	03/02/99	Name of Person Making the Deposit:	Wendy M. Hobbs	Signature of the Person Making the Deposit:	<i>Wendy M. Hobbs</i>
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MACO 3-8-99

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Group Art Unit: 2816

Filed: 10/30/98

Examiner: Unknown

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Date: 3/2/1999

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

03/11/1999 DNGUYEN 00000107 09183452

01 FC:581 40.00 DF

Assignment To SONY Corporation and SONY Electronics, Inc.

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

Mehrdad Nayebi

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:

LOW SIDE CURRENT SINK CIRCUIT HAVING IMPROVED OUTPUT IMPEDANCE TO REDUCE EFFECTS OF LEAKAGE CURRENT

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

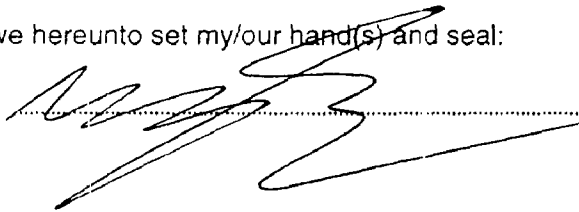
Serial No.: 09/183,452 filed on 10/30/98 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

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:

2-24-99

Assignment To SONY Corporation and SONY Electronics, Inc.

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

Stephen D. Edwards

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:

LOW SIDE CURRENT SINK CIRCUIT HAVING IMPROVED OUTPUT IMPEDANCE TO REDUCE EFFECTS OF LEAKAGE CURRENT

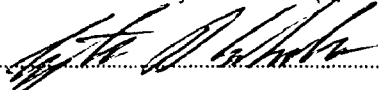
..... filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: 09/183,452 filed on 10/30/98 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: 12-24-99

Assignment To SONY Corporation and SONY Electronics, Inc.

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

Phil Shapiro

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:

LOW SIDE CURRENT SINK CIRCUIT HAVING IMPROVED OUTPUT IMPEDANCE TO REDUCE EFFECTS OF LEAKAGE CURRENT

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.: 09/183,452 filed on 10/30/93 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: Phil Shapiro

Date: 2/24/99