

03-08-2001

IN THE UNITED



ARK OFFICE

Docket No.: VLSI-3509

101628063

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:	02/22/01	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:

2-26-01

Transmittal of an Assignment

1. Name of conveying party(ies): Gibong Jeong, Luis Aldaz, Daniel Jeng Hsia, Juncheng C. Liu and Greg Luker

Serial No.: 09/679,057

Group Art Unit:

Filed: 10/02/00

Examiner:

2. Name and Address of Receiving party(ies): PHILIPS Electronics North American Corporation
1251 Avenue of the Americas, New York, New York 10020-1104
Texas Instruments Incorporated
7839 Churchill Way, MS 3999, Dallas, Texas 75251

3. Nature of Conveyance: Assignment
Execution Date: 12/20/00, 01/10/01, 01/02/01, 12/19/00, 12/28/00

4. New Patent Application entitled: METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

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

Name: John P. Wagner, Jr.

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

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.

40E

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.

03/08/2001 DBYRNE 00000046 09679057

01 FC:581 40.00 DP

Date: February 22, 2001

Name John P. Wagner, Jr.

Reg. No. 35,398

**Assignment to PHILIPS Electronics North American Corporation
and Texas Instruments Incorporated**

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

Gibong Jeong

do hereby sell, assign and transfer unto PHILIPS Electronics North American Corporation (hereinafter called PHILIPS), a Delaware Corporation having its principal place of business at 1251 Avenue of the Americas, New York, New York 10020-1104, and Texas Instruments Incorporated (hereinafter called TI), a Delaware Corporation having its principal place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251 and their successors and assigns, the equal and undivided 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:

METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

..... 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 therefore; or

☒ Serial No.: 09/679,057 filed on 10/02/00 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 therefore;

And for the above consideration, I/we agree promptly upon request of PHILIPS and TI, its 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 PHILIPS and TI, its 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 PHILIPS and TI;

I/we further covenant with PHILIPS and TI, 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: ☒ 12/20/00

Assignment to PHILIPS Electronics North American Corporation and Texas Instruments Incorporated

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

Luis Aldaz

do hereby sell, assign and transfer unto PHILIPS Electronics North American Corporation (hereinafter called PHILIPS), a Delaware Corporation having its principal place of business at 1251 Avenue of the Americas, New York, New York 10020-1104, and Texas Instruments Incorporated (hereinafter called TI), a Delaware Corporation having its principal place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251 and their successors and assigns, the equal and undivided 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:

METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

..... 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 therefore; or

☒ Serial No.: 09/679,057 filed on 10/02/00 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 therefore;

And for the above consideration, I/we agree promptly upon request of PHILIPS and TI, its 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 PHILIPS and TI, its 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 PHILIPS and TI;

I/we further covenant with PHILIPS and TI, 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: X  Date: X 2/10/01

Assignment to PHILIPS Electronics North American Corporation and Texas Instruments Incorporated

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

Daniel Jeng Hsia

do hereby sell, assign and transfer unto PHILIPS Electronics North American Corporation (hereinafter called PHILIPS), a Delaware Corporation having its principal place of business at 1251 Avenue of the Americas, New York, New York 10020-1104, and Texas Instruments Incorporated (hereinafter called TI), a Delaware Corporation having its principal place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251 and their successors and assigns, the equal and undivided 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:

METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

..... 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 therefore; or

X Serial No.: 09/679,057 filed on 10/02/00 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 therefore;

And for the above consideration, I/we agree promptly upon request of PHILIPS and TI, its 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 PHILIPS and TI, its 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 PHILIPS and TI;

I/we further covenant with PHILIPS and TI, 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: Y *Daniel J. Hsia* Date: Y 01/02/01

Assignment to PHILIPS Electronics North American Corporation and Texas Instruments Incorporated

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

Juncheng C. Liu

do hereby sell, assign and transfer unto PHILIPS Electronics North American Corporation (hereinafter called PHILIPS), a Delaware Corporation having its principal place of business at 1251 Avenue of the Americas, New York, New York 10020-1104, and Texas Instruments Incorporated (hereinafter called TI), a Delaware Corporation having its principal place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251 and their successors and assigns, the equal and undivided 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:

METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

..... 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 therefore; or

X Serial No.: 09/679,057 filed on 10/02/00 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 therefore;

And for the above consideration, I/we agree promptly upon request of PHILIPS and TI, its 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 PHILIPS and TI, its 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 PHILIPS and TI;

I/we further covenant with PHILIPS and TI, 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: X *Juncheng C. Liu* Date: X Dec. 19, 2000

**Assignment to PHILIPS Electronics North American Corporation
and Texas Instruments Incorporated**

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

Greg Luker

do hereby sell, assign and transfer unto PHILIPS Electronics North American Corporation (hereinafter called PHILIPS), a Delaware Corporation having its principal place of business at 1251 Avenue of the Americas, New York, New York 10020-1104, and Texas Instruments Incorporated (hereinafter called TI), a Delaware Corporation having its principal place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251 and their successors and assigns, the equal and undivided 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:

METHOD AND APPARATUS FOR MANAGING MULTIPATH SIGNALS FOR A RECEIVER WITH MULTIPLE DEMODULATORS

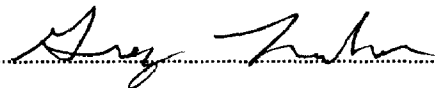
..... filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; or

☒ Serial No.: 09/679,057 filed on 10/02/00 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 therefore;

And for the above consideration, I/we agree promptly upon request of PHILIPS and TI, its 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 PHILIPS and TI, its 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 PHILIPS and TI;

I/we further covenant with PHILIPS and TI, 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: ☒ 12/28/2000