

05-15-2002

FORM PTO-1595

U.S. Department of Commerce  
Patent and Trademark Office

TI-33510

102090907

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Yan Hui  
Eko N. Onggosanusi  
Gibong Jeong  
Anand Ganesh Dabak

5-7-02

## 2. Name and Address of receiving party(ies):

Name: TEXAS INSTRUMENTS INCORPORATED

Address: P.O. Box 655474, MS 3999

City: Dallas

State: TX Zip: 75265

Additional name(s) &amp; address(es) attached? \_\_\_ Yes \_\_\_X\_\_\_ No

## 3. Nature of Conveyance:

\_\_\_X\_\_\_ Assignment      \_\_\_ Merger

\_\_\_ Security Agreement      \_\_\_ Change of Name

\_\_\_ Other \_\_\_\_\_

Execution Date: Hui, Onggosanusi, Dabak 03/19/2002; Jeong 03/20/2002

## 4. Application number(s) or patent number(s)

Execution date of the application: Hui, Onggosanusi, Dabak 03/19/2002; Jeong 03/20/2002

Title: Method and Apparatus for Providing Transmit Diversity with Adaptive Basis

Docket No: TI-33510

A. Patent Application No.(s)  
S.N. 10/077,084

B. Patent No.(s)

Additional numbers attached? \_\_\_ Yes \_\_\_X\_\_\_ No

Additional numbers attached? \_\_\_ Yes \_\_\_X\_\_\_ No

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

Name: Pedro P. Hernandez, Reg. No. 35,190  
Texas Instruments Incorporated

Address: P.O. Box 655474, MS 3999

City: Dallas

State: TX Zip: 75265

## 6. Number of applications and patents involved: \_\_\_(1)\_\_\_

## 7. Amount of fee enclosed or authorized to be charged: \$40

## 8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)

DO NOT USE THIS SPACE

## 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.

Date

4/24/02

Pedro P. Hernandez, Reg. No. 35,190

Total Number of Pages Including Cover Sheet, Attachments and Document: 3

05/15/2002 TDI:AZ1 00000041 200668 10077084

01 FC:581

40.00 CH

PATENT  
REEL: 012883 FRAME: 0042

**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

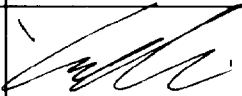

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY WITH ADAPTIVE BASIS			
SIGNATURE OF INVENTOR AND NAME	 Yan Hui	Eko N. Onggosanusi	 Gilong Jeong	Anand Ganesh Dabak
DATE OF SIGNATURE	Mar 19, 2002		3/20/2002	
RESIDENCE (City and State)	San Diego, California	Dallas, Texas	San Diego, California	Plano, Texas
DATE APPLICATION EXECUTED	Mar. 19, 2002		3/20/2002	

After recording Assignment, please return to:

Pedro P. Hernandez  
Texas Instruments Incorporated  
P.O. Box 655474, MS 3999  
Dallas, TX 75265

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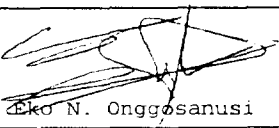
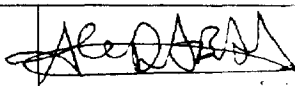
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I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

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IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	METHOD AND APPARATUS FOR PROVIDING TRANSMIT DIVERSITY WITH ADAPTIVE BASIS			
SIGNATURE OF INVENTOR AND NAME	Yan Hui	 Eko N. Onggosanusi	Gibong Jeong	 Anand Ganesh Dabak
DATE OF SIGNATURE		03/19/2002		03/19/2002
RESIDENCE (City and State)	San Diego, California	Dallas, Texas	San Diego, California	Plano, Texas
DATE APPLICATION EXECUTED		03/19/2002		03/19/2002

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