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FORM PTO-1595

11-24-98



100911022

U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Indumini W. Ranmuthu  
Glenn C. Mayfield

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

Name: Texas Instruments Incorporated  
Address: 7839 Churchill Way, MS 3999  
City: Dallas  
State: Texas Zip: 75251

J:526 U.S. PTO  
09/199117

11/24/98

Additional name(s) & address(es) attached? Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

09199117

Execution Date: November 13, 1998

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

This document is being filed together with a new application.

Execution date of the application: November 13, 1998

Title: **SYSTEM FOR USER PROGRAMMABLE BANDWIDTH OF AMPLIFIER CIRCUITRY**

A. Patent Application No.(s)

Additional numbers attached? Yes  No

B. Patent No.(s)

Additional numbers attached? Yes  No

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

Name: Texas Instruments Incorporated  
Address: 7839 Churchill Way, MS 3999  
City: Dallas  
State: TX Zip: 75251

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) This form is submitted in triplicate.

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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.

November 24, 1998  
Date

Daniel F. Perez, Reg. 33,755

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PATENT  
REEL: 9609 FRAME: 0215

## ASSIGNMENT

WHEREAS, we, 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 its place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring our 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, we hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, our entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as our interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of our entire right, title and interest.

We also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, our 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.

We hereby further agree that we will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to our 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, we hereunto set hand and seal this day and year:

TITLE OF INVENTION	<b>SYSTEM FOR USER PROGRAMMABLE BANDWIDTH OF AMPLIFIER CIRCUITRY</b>		
SIGNATURE OF INVENTOR(S)	(1) <u>J W Rammuth</u> Indumini W. Rammuth	(2) <u>Glenn C. Mayfield</u> Glenn C. Mayfield	(3)
DATE	11/13/98	11/13/98	
RESIDENCE (City, County, State)	8012 Greenwood Drive Plano, Texas 75025	3801 Ashville Garland, Texas 75041	
DATE APPLICATION EXECUTED			

After recording return Assignment to: Daniel W. Swayze, Jr.  
Texas Instruments Incorporated  
P.O. Box 655474, M/S 3999  
Dallas, TX 75265