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FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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Name (line 1)	Staszewski, Robert B.		05 26 1999		
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**PATENT** 

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PATENT

FORM PTO Expires 06/30/99 OMB 0651-0027	0-1619 <b>B</b>	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspondent Name and Address Area Code and Telephone Number (972) 917-5633				
Name	W. Daniel Swayze, Jr.			
Address (line 1)	Texas Instruments Incorpo	rated		
Address (line 2)	P.O. Box 655474 M/S 3999			
Address (line 3)	Dallas, Texas 75265			
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Patent Cooperation Treaty (PCT)  Enter PCT application number  only if a U.S. Application Number PCT				
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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 \to				
Method of Payment: Enclosed Deposit Account X  Deposit Account  (Enter for payment by deposit account or if additional fees can be charged to the account.)  Deposit Account Number: # 20-0668				
		Authorization to charge additional fees:	Yes No X	
Statement a	nd 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. Charges to deposit account are authorized, as indicated herein.				
	Bachand, Reg. No. 25,107	DEChard a Dachand	5/28/1999	
Name	of Person Signing	Signature	Date	

## 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

WHERRAS, 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 and 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 entre 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 my hand and seal this day and year:

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year:				
TITLE OF INVENTION	HIGH-SPEED DIGITAL CIRCUITS EMPLOYING A BAND-ZERO-DETERMINATION- ASIDE (BØDA) ARCHITECTURE			
SIGNATURE OF INVENTOR and NAME	Robert B. Staszewski			
DATE	5/26/99			
RESIDENCE (City, County, State)	Garland Dallas County Texas			
DATE APPLICATION EXECUTED	5/26/99			

After recording, return Assignment to:

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Texas Instruments Incorporated 7839 Churchill Way, M/S 3999 Dallas, TX 75251

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