	FORM PTO-1595 2-29-98 1009	49941	U.S. Department of Commerce Patent and Trademark Office		
	o the Honorable Commissioner of Patents and Trademarks. Please re		ocuments or copy thereof.		
	1. Name of conveying party(ies): HIROHISA YAMAGUCHI	<ol> <li>Name and Address of receiving party(les):</li> <li>Name: Texas Instruments Incorporated</li> <li>Address: P. O. Box 655474, M.S. 3999</li> </ol>		U.S. PT	
	Additional name(s) & address(es) Attached?Yes _X_No	City: Dallas State: Texas Additional name(s) & a attached? Yes	Zip: <b>75265</b> address(es)	jc549 09/	
	3. Nature of Conveyance:				
	<ul> <li>4. Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of the application is: <u>December 21, 1998</u></li> <li>A. Patent Application No.(s)</li> <li>B. Patent No.(s)</li> <li>B. Patent No.(s)</li> <li>B. Patent No.(s)</li> <li>C. Patent No.(s)</li> <li>C. Patent Application No.(s)</li> <li>C. Patent No.(s)&lt;</li></ul>				
	<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: Robert N. Rountree</li> <li>Address: Texas Instruments Incorporated P. O. Box 655474, M.S. 3999</li> <li>City: Dallas</li> </ul>	T	s and patents involved: <u>1</u>		
	State: Texas Zip: 75265	<ol> <li>Amount of fee enclose</li> <li>Deposit account numb</li> </ol>	ed or authorized to be charged ver : <u>20-0668</u>	d: <b>\$40.00</b>	
1	DO NOT USE THIS SPACE				
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PATENT REEL: 9706 FRAME: 0525 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, Mail Station 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 Assistant Commissioner for Patents 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 my hand and seal this day and year;

TITLE OF	HIGH-SPEED LONG CODE GENERATIO WITH ARBITRARY DELAY		
SIGNATURE OF INVENTOR AND NAME	X Wirdhini Jeuropeeth HIROHISA YAMAGUCHI		
DATE	X Dec 21, 1998		
RESIDENCE (City, County, State)	Ibaraki, Japan		
DATE APPLICATION EXECUTED	y Dec. 21, 1998		

After recordation, please return Assignment to:

ROBERT N. ROUNTREE

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

**RECORDED: 12/29/1998**