FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 J. 10-04 RI	01-21-2004 102649756	1	rtment of Commerce d Trademark Office PATENT		
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Conveying Party(ies) Name (line 1) John Joseph Price, Jr. Name (line 2) Second Party Name (line 1) Tuan Van Ngo Name (line 2)	Mark if additional names	s of conveying parties attac	Execution Date Month Day 101052004 Execution Date Day 101052004 10754647		
Receiving Party Name (line 1) Texas Instruments Incorpora Name (line 2) a Corporation of the State of Address (line 1) 7839 Churchill Way Address (line 2) MS 3999 Address (line 3) Dallas	ted		if document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)		
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PATENT

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Correspond	lent Name and Address	Area Code and Telephone Number	972-917-5633		
Name	W. Daniel Swayze				
Address (line 1)	Senior Patent Counsel				
Address (line 2)	Texas Instruments Incorporated				
Address (line 3)	P.O. Box 655474, MS 3999				
Address (line 4)	Dallas,Texas 75265				
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If this document	t is being filed together with a new Pa	atent Application, enter the date the patent applic	ation Month Day Year 01102004		
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on	ter PCT application number ly if a U.S. Application Numbe s not been assigned.		PCT		
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		additional fees can be charged to the Deposit Account Number:	# 20-0668		
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attac	ne best of my knowledge and thed copy is a true copy of the cated herein.	belief, the foregoing information is true e original decument. Charges to deposi	and correct and any it account are authorized, as		
	Donald D. Mondul	Taxerum	January 10, 2004		
Nan	me of Person Signing	Signature	Date		

PATENT REEL: 014890 FRAME: 0025

ATTORNEY DOCKET NO.
TI-34076

ASSIGNMENT

Page 1 of 1

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;

RECORDED: 01/10/2004

TITLE OF INVENTION	APPARATUS AND METHOD FOR APPLYING WRITE SIGNALS FOR DRIVING A WRITE HEAD		
SIGNATURE OF INVENTOR AND NAME	John Joseph Price, Jr.	Tuan Van Ngo	
DATE	5 JAN 2004	01/05/04	
RESIDENCE (City, County, State)	Eagan, Dakota County, Minnesota	Eden Prairie, Hennepin County, Minnesota	
DATE APPLICATION EXECUTED			

PATENT REEL: 014890 FRAME: 0026