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Second Party Name (line 1) Neel Seshan				Month	Day Y 09102003
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Name (line 1) Texas Instrument	Incorporated			is an as	ment to be record ssignment and the
Name (line 2) a Corporation of	the State of Delaware			domici	ng party is not led in the United an appointment
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Address (line 2) MS 3999					·
Address (line 3) Dallas	Г	Гехаѕ		75251	
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Domestic Representativ	e Name and Add	IT USS Ente	r for the first Receiving	Party only.	
Name Donald D. Mondu	l				
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Address (line 2) 6631 Lovington D	rive				
Address (line 3)					
Address (line 4) Dallas, Texas 752	52				

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FORM PTO-1 Expires 06/30/99 OMB 0651-0027	619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspond	ent Name and Address	Area Code and Telephone Number	972-917-5633
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Address (line 4)	Dallas,Texas 75265		80
Pages	Enter the total number of pagincluding any attachments.	ges of the attached conveyance docum	ent # 1
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Fa	atent Application Number(s)		t Number(s)
If this document i	is being filed together with a new Pat	ent Application, enter the date the patent applica	tion Month Day Year 09182003
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	Donald D. Mondul	the Colon	September 18, 2003
	e of Person Signing	Signature	Date

PATENT REEL: 014554 FRAME: 0326 **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: 09/18/2003

TITLE OF INVENTION	APPARATUS AND METHOD FOR DRIVING A WRITE HEAD					
SIGNATURE OF INVENTOR AND NAME	Hashizume Motomu	Jinguji Naoko	Indumini Ranmuthu IW. Rannw	Neel Seshan		
DATE			9/10/2003	09/10/2003		
RESIDENCE (City, County, State)	Tokyo, Japan	Tokyo, Japan	Plano, Collin County, Texas	Dallas, Dallas County, Texas		
DATE APPLICATION EXECUTED			9/10/2003	09/10/2003		

PATENT REEL: 014554 FRAME: 0327