Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (oxp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCÉ United States <u>Patent and Trademark Offico</u>			
RECORDATION FOR				
PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.			
Name of conveying party(ies):	2. Name and address of receiving party(les)			
John Anthony Rodriguez; Keith A. Remack;	Name: Texas Instruments Incorporated			
Boku Katsushi; and John Lane Gertas	Internal Address: 7839 Churchill Way			
Additional name(s) of conveying party(les) attached? Yes X No	Street Address: M/S 3999			
3. Nature of conveyance/Execution Date(s):				
Execution Date(s): 05/23/2008				
X Assignment Merger Change of Name				
Security Agreement Joint Research Agreement	City: Dallas			
Government Interest Assignment	State:TX			
Executive Order 9424, Confirmatory License	Country: US Zip:75251			
Other	Additional name(s) & address(es) Yes X No attached?			
4. Application or patent number(s): This document is being filed together with a new application.				
A. Patent Application No.(s) 12/142,568 B. Patent No.(s)				
Additional numbers attached?	Yes X No			
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: Wade J. Brady				
Wade o. Drady	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card			
Internal Address: Customer No. 23494 Street Address: Texas Instruments Incorporated				
7839 Churchill Way, MS 3999	l 岸			
	Enclosed			
	None required (government interest not affecting title)			
City: Dallas	8. Payment Information			
State: TX zip: 75251	a. Credit Card Last 4 Numbers			
Phone Number: 972-917-5557	b. Deposit Account Number 20-0668			
Fax Number: (561) 209-1501 Email Address: cnicholson@darbylaw.com	b. Deposit Account Number 20-0668 Authorized User Name Texas Instruments			
9. Signature:				
July 11, 2008				
Signature	Date			
Eduardo J. Quinones, 58,575	Total number of pages including cover			
Name, of Person Signing sheet, attachments, and documents:				

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T-033 P.003/003 F-653

Attorney Docket No. TI-65624

Serial No.	12/142 <u>,568</u>

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

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, M/S 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;

PATENT REEL: 021229 FRAME: 0239 T!-64200 Page 2

TITLE OF INVENTION	FERROELECTRIC MEMORY BAKE FOR SCREENING AND REPAIRING BITS
SIGNATURE OF INVENTOR AND NAME	John Anthony Rodriguez
RESIDENCE (CITY AND STATE)	Dallas, TX 75244
DATE DECLARATION SIGNED	21 APRIL 2008
TITLE OF INVENTION	FERROELECTRIC MEMORY BAKE FOR SCREENING AND REPAIRING BITS
SIGNATURE OF INVENTOR AND NAME	Keith A. Romack
RESIDENCE (CITY AND STATE)	Richardson, TX 75082
DATE DECLARATION SIGNED	20 Apr 2:008
TITLE OF INVENTION	FERROELECTRIC MEMORY BAKE FOR SCREENING AND REPAIRING BITS
SIGNATURE OF INVENTOR AND NAME	Katsushi Boku Katsushi
RESIDENCE (CITY AND STATE)	Ibaraki, Japan
DATE DECLARATION SIGNED	21 Afr. 200 g
TITLE OF INVENTION	FERROELECTRIC MEMORY BAKE FOR SCREENING AND REPAIRING BITS
SIGNATURE OF INVENTOR AND NAME	John I. Setter, John Lane Gertas
RESIDENCE (CITY AND STATE)	Frisco, TX 75035
DATE DECLARATION SIGNED	ZI AFR 2008

After recording, return Assignment to:

RECORDED: 07/11/2008

Texas instruments Incorporated P0 Box 655474, M/S 3999 Dallas, TX 75265

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PATENT REEL: 021229 FRAME: 0240