Form PTO-1595 (Rev. 06-12) OMB No. 0651-0027 (exp. 04/30/2015)

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

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PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.	
Name of conveying party(ies)	2. Name and address of receiving party(ies)	
	Name: Texas Instruments Incorporated	
Michael Patrick Clinton; Steven Craig Bartlinç	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes No		
3. Nature of conveyance/Execution Date(s):	Street Address: 12500 TI Boulevard	
Execution Date(s) 9/23/11; 11/2/11 Assignment	M/S 3999	
Assignment Merger	City:_Dallas	
Security Agreement Change of Name Joint Research Agreement	State: _TX	
Government Interest Assignment	Annual Control of the	
Executive Order 9424, Confirmatory License	Country: US Zip: 75243	
Other	Additional name(s) & address(es) attached? Yes No	
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).	
A. Patent Application No.(s)	B. Patent No.(s)	
·		
13/243,911		
Additional numbers attr	ached? Yes No	
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed:	involved: 1	
Name: Texas Instruments Incorporated	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Internal Address:		
	Authorized to be charged to deposit account	
Street Address: P.O. Box 655474	Enclosed	
M/S 3999	None required (government interest not affecting title)	
City: Dallas	8. Payment Information	
State: TX Zip: 75265		
Phone Number: 214-479-1239	200668	
Docket Number: TI-69258	Deposit Account Number 200668	
Email Address: j-patti@ti.com	Authorized User Name Texas Instruments Incorporated	
9. Signature: /Nicholas T. Peters/	2012-09-24	
Signature	Date	
Nicholas T. Peters	l i	
	Total number of pages including cover sheet attachments and documents:	
Name of Person Signing Documents to be recorded (Including cover sheet	sheet, attachments, and documents:	

PATENT

REEL: 029059 FRAME: 0102

Attorney Docket No. TI-69258

Serial No. 13/243,911

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 12500 Ti Boulevard - M/S 3999, Dalias, Texas 75243, 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;

TITLE OF INVENTION	Method and Apparatus Pertaining to a Ferro-Magnetic Random Access Memory
SIGNATURE OF INVENTOR AND NAME	Michael Patrick Clinton was School Color School
RESIDENCE (CITY AND STATE)	Allen, TX 75013
DATE DECLARATION SIGNED	September 23, 2011

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TITLE OF INVENTION	Method and Apparatus Pertaining to a Ferro-Magnetic Random Access Memory
SIGNATURE OF INVENTOR AND NAME	Steven Craig Bartling
RESIDENCE (CITY AND STATE)	Plano, TX 75093
DATE DECLARATION SIGNED	September 23, 2011

PATENT REEL: 029059 FRAME: 0104 TI-69258

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TITLE OF INVENTION SIGNATURE OF INVENTOR AND NAME	Method and Apparatus Pertaining to a Ferro-Magnetic Random Access Memory Scott Summerfelt
RESIDENCE (CITY AND STATE)	Garland, TX 75044
DATE DECLARATION SIGNED	November 2, 2011

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TITLE OF INVENTION	Method and Apparatus Pertaining to a Ferro-Magnetic Random Access Memory
SIGNATURE OF INVENTOR AND NAME	Hugh McAdams Ato M. M. W. Carre
RESIDENCE (CITY AND STATE)	McKinney, TX 75071
DATE DECLARATION SIGNED	November 2, 2011

PATENT REEL: 029059 FRAME: 0106