#### 504286463 03/23/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4333144

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN A RODRIGUEZ	03/23/2017
ROBERT C BAUMANN	03/22/2017
RICHARD A BAILEY	03/23/2017

### **RECEIVING PARTY DATA**

Name:	TEXAS INSTRUMENTS INCORPORATED
Street Address:	12500 TI BOULEVARD
Internal Address:	MS 3999
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75243

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15467222

### **CORRESPONDENCE DATA**

Fax Number: (214)567-2228

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 214-479-1230 Email: uspto@ti.com

TEXAS INSTRUMENTS INCORPORATED **Correspondent Name:** 

P O BOX 655474, M/S 3999 Address Line 1: Address Line 4: DALLAS, TEXAS 75265

ATTORNEY DOCKET NUMBER:	TI-77114
NAME OF SUBMITTER:	JACKIE MCBRIDE
SIGNATURE:	/Jackie McBride/
DATE SIGNED:	03/23/2017

### **Total Attachments: 4**

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### **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.

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, WS 3999, Dallas, 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, as well as to U.S. Provisional Application No(s).82/313,034, filed March 24, 2016;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, 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 corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such 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.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year,

TITLE	RANDOM NUMBER GENERATION IN FERROELECTRIC RANDOM ACCESS MEMORY (FRAM)	
NONPROVISIONAL APPLICATION NO.	FILING DATE	
1	- <b>L</b>	
SIGNATURE OF INVENTOR		
PRINTED NAME OF INVENTOR	John A. Rodriguez	
DATE		
RESIDENCE (CITY AND STATE)	Dallas, Texas	

Application No.	Attorney Docket No.
SIGNATURE OF INVENTOR	1/2/1/
PRINTED NAME OF INVENTOR	Nober C. Baumann
DATE	3/22/2017
RESIDENCE (CITY AND STATE)	Dalias, Texas
SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Richard A. Bailey
DATE	
RESIDENCE (CITY AND STATE)	Richardson, Texas
*	
Assignee agrees and accepts	the assignment

TEXAS INSTRUMENTS INCORPORATED

Ву: -----

After recording, return Assignment to:

Texas Instruments Incorporated PO Box 655474, M/S 3999 Dallas, TX 75265

#### 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.

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, Dallas, 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, as well as to U.S. Provisional Application No(s).62/313,034, filed March 24, 2018;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, 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 essigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such 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, release and substitute applications, make all fawful ceths, 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.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year.

TITLE	(FRAM)	N IN FERROELECTRIC	RANDOM ACCESS MEMORY
 NONPROVISIONAL APPLICATION NO.		FILING DATE	

SIGNATURE OF INVENTOR	Joh Oth Rung
PRINTED NAME OF INVENTOR	John A. Rodriguez
DATE	3/23/2017
RESIDENCE (CITY AND STATE)	Dallas, Texas

# Attorney Docket No.

SIGNATURE		
OF INVENTOR		
PRINTED NAME OF INVENTOR	Robert C. Baumann	
DATE		* *
RESIDENCE (CITY AND STATE)	Dallas, Texas	
SIGNATURE OF INVENTOR		<u></u>
PRINTED NAME OF INVENTOR	Richard A. Bailey	
DATE	3/23//7	
RESIDENCE (CITY AND STATE)	Richardson, Texas	

After recording, return Assignment to:

Texas Instruments Incorporated PO Box 655474, M/S 3999 Dalles, TX 75265

**PATENT REEL: 041702 FRAME: 0080** 

**RECORDED: 03/23/2017**