### 503248310 04/02/2015

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3294928

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
THEODORE ERNEST YU	02/25/2015
ALI MOTAMEDI	02/25/2015
DINGKUN DU	02/25/2015
PATRICK TETERUD	02/25/2015
SOMBUDDHA CHAKRABORTY	02/25/2015
KEITH THOMAS SANDERS JR	02/25/2015

#### **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:	14631388

#### **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: 214-479-1243 Email: uspto@ti.com

Correspondent Name: TEXAS INSTRUMENTS INCORPORATED

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

ATTORNEY DOCKET NUMBER:	TI-74870
NAME OF SUBMITTER:	JACKIE MCBRIDE
SIGNATURE:	/Jackie McBride/
DATE SIGNED:	04/02/2015

# **Total Attachments: 18** source=TI-74870 EXECUTED ASSIGNMENTS#page1.tif source=TI-74870 EXECUTED ASSIGNMENTS#page2.tif source=TI-74870 EXECUTED ASSIGNMENTS#page3.tif source=TI-74870 EXECUTED ASSIGNMENTS#page4.tif source=TI-74870 EXECUTED ASSIGNMENTS#page5.tif source=TI-74870 EXECUTED ASSIGNMENTS#page6.tif source=TI-74870\_EXECUTED\_ASSIGNMENTS#page7.tif source=TI-74870\_EXECUTED\_ASSIGNMENTS#page8.tif source=TI-74870 EXECUTED ASSIGNMENTS#page9.tif source=TI-74870 EXECUTED ASSIGNMENTS#page10.tif source=TI-74870\_EXECUTED\_ASSIGNMENTS#page11.tif source=TI-74870 EXECUTED ASSIGNMENTS#page12.tif source=TI-74870 EXECUTED ASSIGNMENTS#page13.tif source=TI-74870\_EXECUTED\_ASSIGNMENTS#page14.tif source=TI-74870\_EXECUTED\_ASSIGNMENTS#page15.tif source=TI-74870 EXECUTED ASSIGNMENTS#page16.tif source=TI-74870 EXECUTED ASSIGNMENTS#page17.tif source=TI-74870 EXECUTED ASSIGNMENTS#page18.tif

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). 61/944,846, filed 02/26/2014;

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	SWITCHING MODE POWER SUPPLY WITH ADAPTIVELY RANDOMIZED SPREAD SPECTRUM		
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015

	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
***************************************	SIGNATURE OF INVENTOR	xxx Theodore Ym
***************************************	PRINTED NAME OF INVENTOR	Theodore Ernest Yu
	EFFECTIVE DATE	02/25/2015
	RESIDENCE (CITY AND STATE)	San Jose, California

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunnyvale, California
SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Patrick Teterud
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	

Plano Texas

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Sombuddha Chakrabonty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

Assignee agrees and accepts the assignment

TEXAS INSTRUMENTS INCORPORATED

By:
-----

After recording, return Assignment to:

Jonathon Scott

Texas instruments incorporated PO Box 655474, M/S 3999

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). 61/944,846, filed 02/26/2014;

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	SWITCHING MODE POWER SUPPLY WITH ADAPTIVELY RANDOMIZED SPREAD SPECTRUM		
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Theodore Ernest Yu
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

***************************************	
SIGNATURE OF INVENTOR	A: Notamuli.
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunnyvale, California
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Patrick Teterud
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	

Plano Texas

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Sombuddha Chakraborty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

Assignee agrees and accepts the assignment

TEXAS INSTRUMENTS INCORPORATED

Ву:	***************************************
-----	-----------------------------------------

After recording, return Assignment to:

Jonathon Scott

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

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). 61/944,846, filed 02/26/2014;

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	SWITCHING MODE POWER S	UPPLY WITH ADAPTIVEL	Y RANDOMIZED SPREAD
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Theodore Ernest Yu
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

SIGNATURE OF INVENTOR	xxx Calfon
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunnyvale, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Patrick Teterud
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Plano Texas

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Sombuddha Chakraborty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

Assignee agrees and accepts the assignment

TEXAS INSTRUMENTS INCORPORATED

After recording, return Assignment to:

Jonathon Scott

Texas instruments incorporated PO Box 655474, M/S 3999

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). 61/944,846, filed 02/26/2014;

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	SWITCHING MODE POWER SI	UPPLY WITH ADAPTIVEL	Y RANDOMIZED SPREAD	
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015	
SIGNATURE				· Constant

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Theodore Ernest Yu
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunny√ale, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Patrick Teterud
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Plano Texas

SIGNATURE OF INVENTOR	xxx Lombuddla Galacabonhi
PRINTED NAME OF INVENTOR	Sombuddha Chakraborty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

Assignee agrees and accepts the assignment

**TEXAS INSTRUMENTS INCORPORATED** 

By:	***************************************
ωy.	

After recording, return Assignment to:

Jonathon Scott

Texas instruments incorporated PO Box 655474, M/S 3999

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 piace 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). 61/944,846, filed 02/26/2014;

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 auccessors, 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 lewful papers, execute all divisional, continuation, relesse 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;

TILE	SWITCHING MODE POWER SI SPECTRUM		Y RANDOMIZED SPREAD
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Theodore Ernest Yu
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California
SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunnyvale, California

SIGNATURE OF INVENTOR	xxx Patrick Later 1
PRINTED NAME OF INVENTOR	Patrick Teterud
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Plano Texas

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Sombuddha Chakraborty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

Assignee agrees and accepts the assignment

**TEXAS INSTRUMENTS INCORPORATED** 

_	
Ву:	

After recording, return Assignment to:

Jonathon Scott

Texas instruments incorporated PO Box 655474, M/S 3989

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). 61/944,846, filed 02/26/2014;

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	SWITCHING MODE POWER SUPPLY WITH ADAPTIVELY RANDOMIZED SPREAD SPECTRUM		
NONPROVISIONAL APPLICATION NO.	14/631,388	FILING DATE	02/25/2015

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Theodore Ernest Yu
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California

**EFFECTIVE DATE** 

RESIDENCE (CITY AND STATE) 02/25/2015

Plano Texas

SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Ali Motamedi
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	San Jose, California
SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Dingkun Du
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Sunnyvale, California
SIGNATURE OF INVENTOR	XXX
PRINTED NAME OF INVENTOR	Patrick Teterud

SIGNATURE OF INVENTOR	xxx
PRINTED NAME OF INVENTOR	Sombuddha Chakraborty
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	Redwood City, California
SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Keith Thomas Sanders, Jr.
EFFECTIVE DATE	02/25/2015
RESIDENCE (CITY AND STATE)	

Assignee agrees and accepts the assignment

TEXAS INSTRUMENTS INCORPORATED

200	######################################

San Jose, California

After recording, return Assignment to:

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