#### 503117637 12/29/2014

EPAS ID: PAT3164245

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
SREENATH NARAYANAN POTTY	12/24/2014
VIVEK SINGHAL	12/26/2014
SUMANTH REDDY PODDUTUR	12/26/2014

### **RECEIVING PARTY DATA**

Name:	TEXAS INSTRUMENTS INCORPORATED
Street Address:	13588 N. CENTRAL EXPRESSWAY, MS 3999
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75243

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

Property Type	Number
Application Number:	14584550

### 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.

214-479-1243 Phone: Email: uspto@ti.com

TEXAS INSTRUMENTS INCORPORATED **Correspondent Name:** 

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

ATTORNEY DOCKET NUMBER: TI-71931 NAME OF SUBMITTER: SHANNON GRAGSONE SIGNATURE: /Shannon Gragsone/ **DATE SIGNED:** 12/29/2014

## **Total Attachments: 4**

source=71931\_Signed\_Assignment#page1.tif source=71931\_Signed\_Assignment#page2.tif source=71931\_Signed\_Assignment#page3.tif source=71931 Signed Assignment#page4.tif

# **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 3399, Dailas, 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). , filed

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, confinuations, 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 paths, 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	METHOD AND APPARATU MULT	IS TO SUPPRESS DIGI I-STAGE CLOCK DITHI		PURS	USING
NONPROVISIONAL APPLICATION NO.	14/584,550	FILING DATE	December	29,	2014

SIGNATURE OF INVENTOR	6 each	
PRINTED NAME OF INVENTOR	Sreenath Narayanan POTTY	
DATE	24/12/2014	
RESIDENCE (CITY AND STATE)	Kerala, India	

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Application No. 14/584,550

Attorney Docket No. TI - 71931

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Vivek SINGHAL
DATE	26/12/2014
RESIDENCE (CITY AND STATE)	Bangalore, Kamataka, India

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Sumanth Reddy PODDUTUR
DATE	
RESIDENCE (CITY AND STATE)	Bangalore, Karnataka, India

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). , filed ;

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	METHOD AND APPARATUS TO SUPPRESS DIGITAL NOISE SPURS USING MULTI-STAGE CLOCK DITHERING		
NONPROVISIONAL APPLICATION NO.	14/584,550	FILING DATE	December 29, 2014

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Sreenath Narayanan POTTY
DATE	
RESIDENCE (CITY AND STATE)	Kerala, India

Page 2 Attorney Docket No. TI - 71931

Application No. 14/584,550

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Vivek SINGHAL
DATE	
RESIDENCE (CITY AND STATE)	Bangalore, Karnataka, India

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Sumanth Reddy PODDUTUR
DATE	26/12/2014
RESIDENCE (CITY AND STATE)	Bangalore, Karnataka, India

After recording, return Assignment to:

Texas instruments incorporated PO Box 655474, M/S 3999 Dallas, TX 75265

PATENT REEL: 034594 FRAME: 0869

**RECORDED: 12/29/2014**