# 503120824 12/31/2014

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ASWIN SRINIVASA RAO	02/27/2014
ANAND KUDARI	04/11/2014
KARTHIK SUBBURAJ	03/14/2014

### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	14250880

### **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:** 214-479-1215 **Email:** uspto@ti.com

Correspondent Name: WILLIAM B. KEMPLER
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Address Line 2: M/S 3999

Address Line 4: DALLAS, TEXAS 75243

ATTORNEY DOCKET NUMBER:	TI-74089
NAME OF SUBMITTER:	TINA MATHEWSON
SIGNATURE:	/Tina Mathewson/
DATE SIGNED:	12/31/2014

**Total Attachments: 3** 

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PATENT 503120824 REEL: 034608 FRAME: 0348

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PATENT REEL: 034608 FRAME: 0349

## **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, 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;

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	BINARY FREQUENCY SHIFT KEYING WITH DATA MODULATED IN DIGITAL DOMAIN AND CARRIER GENERATED FROM INTERMEDIATE FREQUENCY
SIGNATURE OF INVENTOR AND NAME	Aswin Srinivasa Rao
RESIDENCE (CITY AND STATE)	Dallas, Texas
DATE DECLARATION SIGNED	x 02/27/2014

TITLE OF INVENTION	BINARY FREQUENCY SHIFT KEYING WITH DATA MODULATED IN DIGITAL DOMAIN AND CARRIER GENERATED FROM INTERMEDIATE FREQUENCY
SIGNATURE OF INVENTOR AND NAME	x Hedore
RESIDENCE (CITY AND STATE)	Bangalore, IN
DATE DECLARATION SIGNED	Effective April 11, 2014

PATENT REEL: 034608 FRAME: 0351

TITLE OF INVENTION	BINARY FREQUENCY SHIFT KEYING WITH DATA MODULATED IN DIGITAL DOMAIN AND CARRIER GENERATED FROM INTERMEDIATE FREQUENCY
SIGNATURE OF INVENTOR AND NAME	X S. Landtile:
RESIDENCE (CITY AND STATE)	Bangalore, India
DATE DECLARATION SIGNED	X 14 MARCH 2014

After recording, return Assignment to:

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