

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4730608

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUNDARRAJAN RANGACHARI	12/11/2017
JAIGANESH BALAKRISHNAN	12/08/2017
JAWAHARLAL TANGUDU	12/11/2017
SRINIVAS KUMAR REDDY NARU	12/11/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TEXAS INSTRUMENTS INCORPORATED
<b>Street Address:</b>	12500 TI BOULEVARD
<b>Internal Address:</b>	M/S 3999
<b>City:</b>	DALLAS
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75243
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15839265
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	TI-78467
<b>NAME OF SUBMITTER:</b>	COLLEEN F. BROWN
<b>SIGNATURE:</b>	/Colleen F. Brown/
<b>DATE SIGNED:</b>	12/12/2017
<b>Total Attachments: 2</b>	

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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, 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. \_\_\_\_\_, 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	MULTIPLIER-BASED PROGRAMMABLE FILTERS		
NONPROVISIONAL APPLICATION NO.	15/839,265	FILING DATE	December 12, 2017
SIGNATURE OF INVENTOR			
PRINTED NAME OF INVENTOR	Sundarrajan RANGACHARI		
DATE	11-Dec-2017		
RESIDENCE (CITY AND COUNTRY)	Tamilnadu, India		

SIGNATURE OF INVENTOR	<i>B. Jaiganesh</i>
PRINTED NAME OF INVENTOR	Jaiganesh BALAKRISHNAN
DATE	December 8, 2017
RESIDENCE (CITY AND COUNTRY)	Bangalore, India

SIGNATURE OF INVENTOR	<i>T. Jawaharlal</i>
PRINTED NAME OF INVENTOR	Jawaharlal TANGUDU
DATE	11-DEC-2017
RESIDENCE (CITY AND COUNTRY)	Bangalore, India

SIGNATURE OF INVENTOR	<i>S. Kumar Reddy</i>
PRINTED NAME OF INVENTOR	Srinivas Kumar Reddy NARU
DATE	11-Dec-2017
RESIDENCE (CITY AND COUNTRY)	Andhra Pradesh, India

After recording, return Assignment to:

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