

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2626268

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ERICK OMAR TORRES</td> <td>11/22/2013</td> </tr> <tr> <td>HARISH VENKATARAMAN</td> <td>11/22/2013</td> </tr> <tr> <td>BYUNGCHUL JANG</td> <td>11/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	ERICK OMAR TORRES	11/22/2013	HARISH VENKATARAMAN	11/22/2013	BYUNGCHUL JANG	11/22/2013
Name	Execution Date								
ERICK OMAR TORRES	11/22/2013								
HARISH VENKATARAMAN	11/22/2013								
BYUNGCHUL JANG	11/22/2013								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14088012</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14088012				
Property Type	Number								
Application Number:	14088012								
CORRESPONDENCE DATA									
Fax Number:	(214)479-1273								
Phone:	214-479-1156								
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
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-73397								
NAME OF SUBMITTER:	RODNEY M. ANDERSON								
Signature:	/Rodney M Anderson/								

Date:

11/22/2013

Total Attachments: 3

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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.

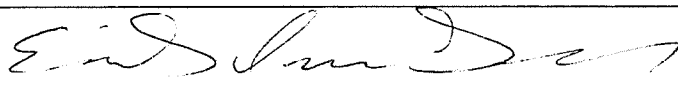
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 12500 TI Boulevard, M/S 3999, Dallas, Texas 75243, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon.

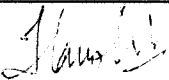
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, 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 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 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	<b>LOW-LOSS STEP-UP AND STEP-DOWN VOLTAGE CONVERTER</b>
SIGNATURE OF INVENTOR AND NAME	 <b>Erick Omar Torres</b>
DATE	<i>11-22-2013</i>
RESIDENCE (CITY AND STATE)	Allen, Texas

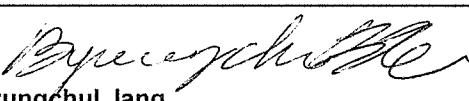
TITLE OF INVENTION	<b>LOW-LOSS STEP-UP AND STEP-DOWN VOLTAGE CONVERTER</b>
SIGNATURE OF INVENTOR AND NAME	 <b>Harish Venkataraman</b>
DATE	11/22/2013
RESIDENCE (CITY AND STATE)	Wylie, TX

SIGNATURE OF INVENTOR AND NAME	 <b>Byungchul Jang</b>
DATE	
RESIDENCE (CITY AND STATE)	Allen, Texas

After recording, return Assignment to:

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

TITLE OF INVENTION	LOW-LOSS STEP-UP AND STEP-DOWN VOLTAGE CONVERTER
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