

Form PTO-1595 (Rev. 06-12)  
OMB No. 0651-0027 (exp. 04/30/2016)

U.S. DEPARTMENT OF COMMERCE  
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**RECORDATION FORM COVER SHEET****PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Yew Tat Chuah, Zhao Tang, Wei Lu

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 5/23/13, 5/14/13, 5/14/13

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: Texas Instruments, Incorporated

Internal Address:

Street Address: 12500 TI Boulevard, M/S 3999

City: Dallas

State: Texas

Country: US Zip: 75243

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

13/990,377

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Jonathon Scott

Internal Address:

Street Address: PO Box 655474, M/S 3999

City: Dallas

State: Texas Zip: 75265

Phone Number:

Docket Number: TI-72180

Email Address: retcnsl@dlmail.itg.ti.com

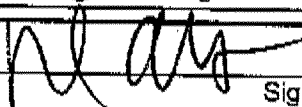
**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 200668

Authorized User Name Jonathon Scott

**9. Signature:**

Signature

May 29, 2013

Date

Richard A. Nebb

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

**PATENT**

**REEL: 030509 FRAME: 0487**

700505678

Application No.

Attorney Docket No. TI-71531

**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 International Application No(s). PCT/CN2013/071505, filed February 7, 2013.

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.

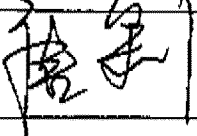
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris 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 herein below.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year,

TITLE	A BI-DIRECTIONAL INPUT, BI-DIRECTIONAL OUTPUT, LOSSLESS CURRENT SENSING SCHEME WITH TEMPERATURE COMPENSATION		
NONPROVISIONAL APPLICATION NO.		FILING DATE	

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Zhao TANG
DATE	May 14, 2013
RESIDENCE (CITY AND STATE)	Beijing, China

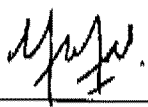
PATENT

REEL: 030509 FRAME: 0488

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Application No.

Attorney Docket No. TI-71531

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Yew Tat CHUAH
DATE	May 23, 2013
RESIDENCE (CITY AND STATE)	Singapore

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Wei LU
DATE	
RESIDENCE (CITY AND STATE)	Shanghai, China

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  
Dallas, TX 75265

PATENT  
REEL: 030509 FRAME: 0489

Page 2

Application No.

Attorney Docket No. TI-71531

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Yew Tat CHUAH
DATE	
RESIDENCE (CITY AND STATE)	Singapore

SIGNATURE OF INVENTOR	<i>Lu Wei</i>
PRINTED NAME OF INVENTOR	Wei LU
DATE	<i>14 May 2013</i>
RESIDENCE (CITY AND STATE)	Shanghai, China

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  
Dallas, TX 75265