

**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)

Mikel K. Ash
Krishnaswamy Nagara
Paul Kimelman
Steve Vu

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

2. Name and address of receiving party(ies)

Name: Texas Instruments Incorporated

Internal Address: MS 3999

Street Address: 12500 TI Boulevard

City: Dallas

State: Texas

Country: US Zip: 75243

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

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

Execution Date(s) 9/6/2013; 9/16/2013; 9/5/2013; 9/6/2013

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

13/866,301

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Texas Instruments Incorporated

Internal Address: MS 3999

Street Address: P.O. Box 655474

City: Dallas

State: Texas Zip: 75265

Phone Number: (214) 479-1241

Fax Number: (214) 479-1280

Email Address: _____

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 Wade J. Brady

9. Signature:

/William P. O'Meara/
Signature

September 26, 2013
Date

William P. O'Meara, Esq.
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

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: 031349 FRAME: 0215

700510782

CH \$40.00 200668 13866301

Application No. 13/866,301

Attorney Docket No. TI-72468

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, MS 3699, 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. 61/696,947, filed September 5, 2012;

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	CIRCUITS AND METHODS FOR DETERMINING THE TEMPERATURE OF A TRANSISTOR		
NONPROVISIONAL APPLICATION NO.	13/866,301	FILING DATE	April 19, 2013


SIGNATURE OF INVENTOR	X <i>Mikel K. Ash</i>
PRINTED NAME OF INVENTOR	Mikel K. Ash
DATE	X 9/6/2013
RESIDENCE (CITY AND STATE)	Cedar Park, Texas

Application No. 13/866,301

Attorney Docket No. TI-72468

SIGNATURE OF INVENTOR	X
PRINTED NAME OF INVENTOR	Krishnaswamy Nagaraj
DATE	X
RESIDENCE (CITY AND STATE)	Plano, Texas

SIGNATURE OF INVENTOR	X
PRINTED NAME OF INVENTOR	Paul Kimeiman
DATE	X
RESIDENCE (CITY AND STATE)	Alamo, California

SIGNATURE OF INVENTOR	X 
PRINTED NAME OF INVENTOR	Steve Vu
DATE	X 9/6/13
RESIDENCE (CITY AND STATE)	Austin, Texas

After recording, return Assignment to:

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

Application No. 13/866,301

Attorney Docket No. TI-72468

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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.

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PRINTED NAME OF INVENTOR	Mikel K. Ash
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DATE	X
RESIDENCE (CITY AND STATE)	Plano, Texas

SIGNATURE OF INVENTOR	X 
PRINTED NAME OF INVENTOR	Paul Kimelman
DATE	X 9/5/13
RESIDENCE (CITY AND STATE)	Alamo, California

SIGNATURE OF INVENTOR	X
PRINTED NAME OF INVENTOR	Steve Vu
DATE	X
RESIDENCE (CITY AND STATE)	Austin, Texas

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Attorney Docket No. TI-72468

SIGNATURE OF INVENTOR	x <i>Krishnaswamy</i>
PRINTED NAME OF INVENTOR	Krishnaswamy Nagaraj
DATE	x 16 th September 2013
RESIDENCE (CITY AND STATE)	Plano, Texas

SIGNATURE OF INVENTOR	X
PRINTED NAME OF INVENTOR	Paul Kimelman
DATE	X
RESIDENCE (CITY AND STATE)	Alamo, California

SIGNATURE OF INVENTOR	X
PRINTED NAME OF INVENTOR	Steve Vu
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