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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)**

J. Randall COOPER  
Weibiao NA ZHANG  
Kyl Wayne SCOTT

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

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

Name: Texas Instruments, Inc.

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 655474

M/S 3999

City: Dallas

State: TX

Country: US Zip: 75265

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

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

Execution Date(s) January 13, 2010

- 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)

B. Patent No.(s)

12/687,173

Additional numbers attached?  Yes  No

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

Name: Texas Instruments, Inc.

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 655474

M/S 3999

City: Dallas

State: TX Zip: 75265

Phone Number: \_\_\_\_\_

Fax Number: 972-917-4418

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 Texas Instruments, Inc.

**9. Signature:**

/Nicholas T. Peters/  
Signature

2010-01-14  
Date

Nicholas T. Peters  
Name of Person Signing

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

4

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CH \$40.00 200668 12687173

Attorney Docket No. TI-67118
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Serial No. 12/687,173

**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 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, 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	BATTERY CELL TAB MONITOR
SIGNATURE OF INVENTOR AND NAME	J. Randall COOPER <i>J. Randall Cooper</i>
RESIDENCE (CITY AND STATE)	1505 Barton Creek Court Lucas, Texas 75002
DATE DECLARATION SIGNED	January 13, 2010 <i>1/13/10</i>

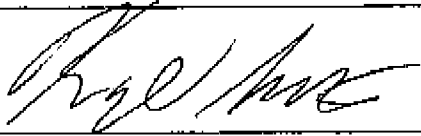
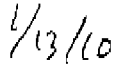
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TITLE OF INVENTION	BATTERY CELL TAB MONITOR
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TITLE OF INVENTION	BATTERY CELL TAB MONITOR
SIGNATURE OF INVENTOR AND NAME	Kyl Wayne SCOTT 
RESIDENCE (CITY AND STATE)	3301 Northstarr Road, #216 Richardson, Texas 75082
DATE DECLARATION SIGNED	January 13, 2010 

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Date: January 14, 2010

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FROM: Nicholas Peters

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COMPANY: United States Patent and Trademark  
Office  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re Applicant: J. Randall Cooper  
Appln No.: 12/687,173  
Filed: January 14, 2010  
For: Battery Cell Tab Monitor  
Art Unit: TBA  
Conf. No. 1041  
Examiner: TBA  
Customer No.: 23494

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**PATENT**

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