

TI -71466

FORM PTO-159 U.S. Department of Commerce.

RECORDATION FORM COVER SHEET
PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaoyan Wang
Yateendra Deshpande

2. Name and Address of receiving party(ies):

Name: **Texas Instruments Incorporated**Address: **12500 TI Boulevard - M/S 3999**City: **Dallas**State: **Texas** Zip: **75243**

Additional name(s) & address(es)

Attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **August 1, 2012**

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

If this document is being filed together with a new application, the execution date of the application is: **August 6, 2012**

A. Patent Application)

Patent application Serial No. **13/567,815**, filed **August 6, 2012** and entitled **"PMSM Initial Position Detection System and Method"**Additional numbers attached? ☐ Yes ☒ No

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **John J. Patti**
Address: **Texas Instruments Incorporated**
12500 TI Boulevard - M/S 3999
City: **Dallas**
State: **Texas** Zip: **75243**6. Number of applications and patents involved: **1**

7. Amount of fee enclosed or authorized to be charged:

\$40.00

8. Texas Instruments Incorporated, Account Number:

20-0668

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.


Charles R. Hoffman**26,556**

Registration Number

August 6, 2012

Date

Total number of pages including cover sheet, attachments and document: **3**

CH \$40.00 200668 13567815

Serial No.

Attorney Docket No.
TI-71466

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.

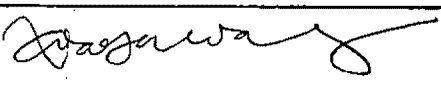
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 12500 TI Boulevard, M/S 3999, Dallas, Texas 75243, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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 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(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 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	PMSM INITIAL POSITION DETECTION SYSTEM AND METHOD
APPLICATION NO(S).	
SIGNATURE OF INVENTOR AND NAME	 Xiaoyan Wang
DATE	08/01/2012
RESIDENCE (CITY AND STATE)	5721 Misted Breeze Dr. Plano, TX 75093

TITLE OF INVENTION	PMSM INITIAL POSITION DETECTION SYSTEM AND METHOD
APPLICATION NO(S).	
SIGNATURE OF INVENTOR AND NAME	 Yateendra Deshpande
DATE	
RESIDENCE (CITY AND STATE)	4302 College Main St. Brian, TX 77801

Serial No. _____

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 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(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 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.

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

TITLE OF INVENTION	PMSM INITIAL POSITION DETECTION SYSTEM AND METHOD
APPLICATION NO(S).	
SIGNATURE OF INVENTOR AND NAME	Xiaoyan Wang
DATE	
RESIDENCE (CITY AND STATE)	5721 Misted Breeze Dr. Plano, TX 75093

TITLE OF INVENTION	PMSM INITIAL POSITION DETECTION SYSTEM AND METHOD
APPLICATION NO(S).	
SIGNATURE OF INVENTOR AND NAME	 Yateendra Deshpande
DATE	
RESIDENCE (CITY AND STATE)	4302 College Main St. Bryan, TX 77801

Bryan

PATENT

REEL: 028735 FRAME: 0727

RECORDED: 08/06/2012

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