

Form **PTO-1595** (Rev. 08/05)  
OMB No. 0851-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office**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):**Michael Louis Hayden (11/04/2008);  
Jeffrey Allen Hanson (11/5/2008);  
Keith Melcher (11/11/2008);  
Robert M. Reynolds (11/6/2008); and Patricia Ann Constandine (11/6/2008)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**2. Name and address of receiving party(ies)**Name: Texas Instruments IncorporatedInternal Address: 7839 Churchill WayStreet Address: M/S 3999City: DallasState: TXCountry: US Zip: 75251Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

(see above)

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

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

A. Patent Application No.(s)

12/271,329

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Wade J. Brady IIIInternal Address: Customer No. 23494Street Address: Texas Instruments Incorporated  
7839 Churchill Way, MS 3999City: DallasState: TX Zip: 75251Phone Number: 972-917-4371Fax Number: (972) 917-4418Email Address: cnicholson@darbylaw.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 by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 20-0668  
Authorized User Name Texas Instruments**9. Signature:**

Signature

Date

Neil R. Jetter, Reg. No. 46,803

Name of Person Signing

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

6

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WORKSITE 3594502v.1

**PATENT**

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CH \$40.00 200668 12271329

Attorney Docket No.  
TI-65687

Serial No. 12/271,329

### 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

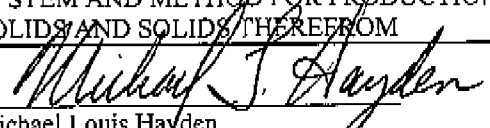
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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.

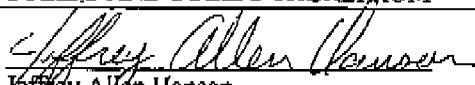
I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute 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	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	 Michael Louis Hayden
RESIDENCE (CITY AND STATE)	3916 Newhall Drive, Plano, Texas 75023
DATE DECLARATION SIGNED	11 / 4 / 2008

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Page 2

TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	 Jeffrey Allen Hanson
RESIDENCE (CITY AND STATE)	2110 Country Brook Lane, Allen, Texas 75002
DATE DECLARATION SIGNED	11/5/08

TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	 Keith Melcher
RESIDENCE (CITY AND STATE)	4818 County Road 340, McKinney, Texas 75071
DATE DECLARATION SIGNED	

TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	 Robert Mark Reynolds
RESIDENCE (CITY AND STATE)	2601 Edge View Court, Richardson, Texas 75082
DATE DECLARATION SIGNED	

TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	 Patricia Ann Constandine
RESIDENCE (CITY AND STATE)	2403 N. Washington Ave., #419, Dallas, Texas 75204
DATE DECLARATION SIGNED	

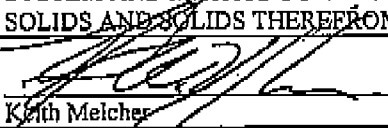
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Dallas, TX 75265

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SIGNATURE OF INVENTOR AND NAME	<u></u> Keith Melcher
RESIDENCE (CITY AND STATE)	4818 County Road 340, McKinney, Texas 75071
DATE DECLARATION SIGNED	11 Nov 2008

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SIGNATURE OF INVENTOR AND NAME	<u>Robert Mark Reynolds</u>
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TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	<i>Robert M. Reynolds</i> Robert Mark Reynolds
RESIDENCE (CITY AND STATE)	2601 Edge View Court, Richardson, Texas 75082
DATE DECLARATION SIGNED	11/6/08
TITLE OF INVENTION	SYSTEM AND METHOD FOR PRODUCTION OF HIGH PURITY SILICON SOLIDS AND SOLIDS THEREFROM
SIGNATURE OF INVENTOR AND NAME	Patricia Ann Constandine
RESIDENCE (CITY AND STATE)	2403 N. Washington Ave., #419, Dallas, Texas 75204
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SIGNATURE OF INVENTOR AND NAME	 <i>Patricia A. Constandine</i> Patricia Ann Constandine
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