

04-06-1998



FORM PTO-1595

U.S. Department of Commerce  
Patent and Trademark Office

TI-24045

100675297

JCS11 U.S. PTO  
09/03/98  
03/13/98

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

1. Name of conveying party(ies)

- 1) John M. Anthony
- 2) Robert M. Wallace
- 3) Yi Wei
- 4) Glen Wilk

3-13-98

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

Name: TEXAS INSTRUMENTS INCORPORATED  
 Address: P.O. Box 655474, MS 3999  
 City: Dallas  
 State: TX Zip: 75265

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

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: **May 6, 1997, May 7, 1997, May 12, 1997 & May 7, 1997**

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

09 039 075

This document is being filed together with a new application.

Execution date of the application: **May 6, 1997, May 7, 1997, May 12, 1997 & May 7, 1997**

Title: Method of Forming a Nano-Rugged Silicon-Containing Layer

Docket No: TI-24045

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes  X No

Additional numbers attached?  Yes  No

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

Name: Mark A. Valetti  
 Texas Instruments Incorporated  
 Address: P.O. Box 655474, MS 3999  
 City: Dallas  
 State: TX Zip: 75265

6. Number of applications and patents involved: (1)

7. Amount of fee enclosed or authorized to be charged: \$40

8. Deposit Account No: 20-0668 (Duplicate copies not required)

DO NOT USE THIS SPACE

03/30/1998 STEWART 00000056 DAN:200668 050.0  
 Sale Ref: 00000056 DAN: 200668 0903907  
 C:581 40.00 CH

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.

Date

3/13/98

Mark A. Valetti

Mark A. Valetti, Reg. No. 36.707

**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 its principal office at P.O. Box 655474, MS 219, Dallas, Texas 75265, 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 my hand and seal this 14th day of

TITLE OF INVENTION	METHOD OF FORMING A NANO-RUGGED SILICON-CONTAINING LAYER		
SIGNATURE OF INVENTOR AND NAME	(1) <i>John Mark Anthony</i> John Mark Anthony	(2) <i>Mark A. Valetti</i> Mark A. Valetti	(3) <i>Yi Bei</i> Yi Bei
DATE	1/6/97	2/4/97	
RESIDENCE (City, County, State)	McKinney, Texas, Collin	Dallas, Texas, Dallas 11/11/97	Chandler, Arizona
DATE APPLICATION EXECUTED	5/16/97	2/17	

After recordation, please return Assignment to:

Mark A. Valetti  
Texas Instruments Incorporated  
P.O. Box 655474, MS 219  
Dallas, TX 75265

**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 its principal office at P.O. Box 655474, MS 219, Dallas, Texas, 75265, 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 hereto set my hand and seal this day and year

TITLE OF INVENTION	METHOD OF FORMING A NANO-RUGGED SILICON-CONTAINING LAYER		
SIGNATURE OF INVENTOR AND NAME	<i>John Mark Anderson</i>	<i>Robert M. Anderson</i>	<i>Erin Weir</i>
DATE			<i>5/12/97</i>
RESIDENCE (City, County, State)	McKinney, Texas, Collin	Dallas, Texas, Dallas	Chandler, Arizona
DATE APPLICATION EXECUTED			<i>5/12/97</i>

After recordation, please return Assignment to

Mark A. Valett  
Texas Instruments Incorporated  
P.O. Box 655474, MS 219  
Dallas, TX 75265

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

TITLE OF INVENTION	METHOD OF FORMING A NANO-RUGGED SILICON-CONTAINING LAYER
--------------------	--

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

TITLE OF INVENTION	METHOD OF FORMING A NANO-RUGGED SILICON-CONTAINING LAYER		
SIGNATURE OF INVENTOR AND NAME	<i>Glen Wick</i>		
DATE			
RESIDENCE (City, County, State)	Dallas, Texas, Dallas		
DATE APPLICATION EXECUTED			

After recordation, please return Assignment to

Mark A. Valett  
Texas Instruments Incorporated  
P.O. Box 655474, MS 219  
Dallas, TX 75265