

06-03-2003  
102462591

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

1. Name of conveying party(ies):  
1 Karen H R Kirmse  
2  
3 5-23-03  
4  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Texas Instruments Incorporated  
Street Address: P.O. Box 655474, MS 3999  
City: Dallas State: Texas Zip: 75265

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Name:  
State Address:  
City: State: Zip:

Execution Date(s): 1 05/23/2003 2  
3 4

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

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: 05/23/2003  
A. Patent Application No.(s) N/A B. Patent No.(s)  
10444340

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Jacki Garner, Reg. No. 36,144  
Company: Texas Instruments Incorporated  
Address: P.O. Box 655474; MS 3999  
City: Dallas  
State: Texas  
Zip Code: 75265

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
20-0668  
(Attach duplicate copy of this page if paying by deposit account)

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.*  
Greg H. Parker  
Name of Person Signing  
Signature  
Date 05/23/2003

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

06/02/2003 LMUELLER 00000662 200668 10444340  
01 FC:8021 40.00 CH

J1046 U.S. PTO  
10/444340  
05/23/03

**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, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, P.O. Box 655474, MS 3999, 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 day and year;

| TITLE OF INVENTION             | A METHOD FOR FORMING A VIA IN A SUBSTRATE  |     |     |
|--------------------------------|--|-----|-----|
| SIGNATURE OF INVENTOR AND NAME | (1)<br><br>Karen H R Kimise | (2) | (3) |
| DATE                           | 5/23/03  |     |     |
| RESIDENCE (City, State)        | 2211 White Cliff Dr.<br>Richardson, TX 75080   |     |     |
| DATE APPLICATION EXECUTED      | 5/23/03  |     |     |

After recordation, please return Assignment to:

Jacki Garner  
Texas Instruments Incorporated  
P.O. Box 655474, M/S 3999  
Dallas, TX 75265