

09-08-1998



FORM PTO-1595

U.S. Department of Commerce
Patent and Trademark Office

TI-23797

100822913

*Mud
8-26-97*

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

jc542 U.S. PTO
09/140578
08/26/98

1. Name of conveying party(ies):

- 1) Vikram N. Doshi
- 2) Hiro Tomomatsu
- 3) Roy D. Clark
- 4) Richard L. Guldi

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: **August 26, 1997, September 3, 1997**

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

This document is being filed together with a new application.

Execution date of the application: **August 26, 1997 and September 3, 1997**

Title: Two Step Oxide Removal For Memory Cells
Docket No: TI-23797

A. Patent Application No.(s)
S.N. XX/XXX,XXX

B. Patent No.(s)
X,XXX,XXX

Additional numbers attached? ___ Yes No

Additional numbers attached? ___ Yes No

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

Name: Robby T. Holland
 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).

09/04/1998 BNGUYEN 00000205 200668 09140578
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

fa ok

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.

August 26, 1998
Date

Robby T. Holland, Reg. No. 33,304

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

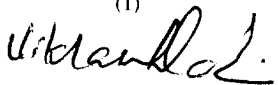
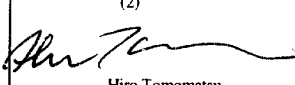
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at P.O. Box 655474, MS 219, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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 day and year;

TITLE OF INVENTION	Two Step Oxide Removal For Memory Cells		
SIGNATURE OF INVENTOR AND NAME	(1)  Vikram N. Doshi	(2)  Hiro Tomomatsu	(3) Roy D. Clark
DATE	8/26/97	8/26/97	
RESIDENCE (City, County, State)	Plano, Collin, TX	Plano, Collin, TX	Princeton, TX,
DATE APPLICATION EXECUTED			

After recordation, please return Assignment to:

Robby T. Holland
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.

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

TITLE OF INVENTION	Two Step Oxide Removal For Memory Cells		
SIGNATURE OF INVENTOR AND NAME	(1) Vikram N. Doshi	(2) Hiro Tomomatsu	(3) <i>Roy D. Clark</i> Roy D. Clark
DATE			09-3-97
RESIDENCE (City, County, State)	Plano, Collin, TX	Plano, Collin, TX	Princeton, TX,
DATE APPLICATION EXECUTED			

After recordation, please return Assignment to:

Robby T. Holland
Texas Instruments Incorporated
P.O. Box 655474, MS 219
Dallas, TX 75265

ATTORNEY DOCKET NO. TI-23797

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

TITLE OF INVENTION	Two Step Oxide Removal For Memory Cells		
SIGNATURE OF INVENTOR AND NAME	(4) <i>Richard L. Guldi</i> Richard L. Guldi		
DATE	8/26/97		
RESIDENCE (City, County, State)	Dallas, Dallas, Texas		
DATE APPLICATION EXECUTED	8/26/97		

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Dallas, TX 75265