

MRD 5-3-99



05-20-1999

FORM PTO-1595

TI-26600

RE



101039878

U.S. Department of Commerce 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):

- 1) Akitoshi Nishimura
- 2) Yasutoshi Okuno
- 3) Rajesh Khamankar
- 4) Shane Palmer

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: **March 30, 1999, April 2, 1999, April 27, 1999, March 23, 1999**

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

This document is being filed together with a new application.

Execution date of the application: **March 30, 1999, April 2, 1999, April 27, 1999, March 23, 1999**

Title: **HEXAGONALLY SYMMECTRIC INTEGRATED CIRCUIT CELL**

Docket No: TI-26600

A. Patent Application No.(s)

S.N. 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: Jacqueline J. Garner
 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

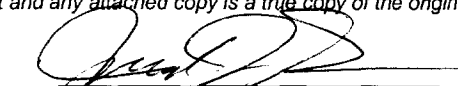
8. Deposit Account No: **20-0668** (Duplicate copies not required).

DO NOT USE THIS SPACE

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.

4/29/99
Date


 Jacqueline J. Garner Reg. No.36,144

05/06/1995 TL0011 00000016 200668 09216251

02 FC:581 40.00 CH

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, MS 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	Hexagonally Symmetric Integrated Circuit Cell		
SIGNATURE OF INVENTOR AND NAME	<i>X Akitoshi Nishimura</i> Akitoshi Nishimura	Yasutoshi Okuno	Rajesh Khamankar
DATE			
RESIDENCE (City, County, State)	Tsuchiura, Japan	Tsukuba, Japan	Irving, Dallas County, Texas
DATE APPLICATION EXECUTED	3/30/1999 X		

After recording return Assignment to: Jacqueline J. Garner
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, Texas 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

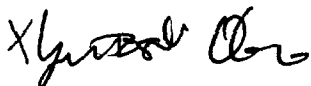
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

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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	Hexagonally Symmetric Integrated Circuit Cell		
SIGNATURE OF INVENTOR AND NAME	Akitoshi Nishimura	 Yasutoshi Okuno	Rajesh Khamankar
DATE		4/21 '99	
RESIDENCE (City, County, State)	Tsuchiura, Japan	Tsukuba, Japan	Irving, Dallas County, Texas
DATE APPLICATION EXECUTED		X 4/21 '99	

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Dallas, Texas 75265

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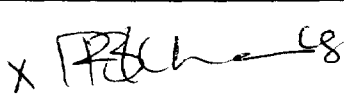
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IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	Hexagonally Symmetric Integrated Circuit Cell		
SIGNATURE OF INVENTOR AND NAME	Akitoshi Nishimura	Yasutoshi Okuno	X  8 Rajesh Khamankar
DATE			
RESIDENCE (City, County, State)	Tsuchiura, Japan	Tsukuba, Japan	Irving, Dallas County, Texas
DATE APPLICATION EXECUTED			X 04-27-99

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Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, Texas 75265

TITLE OF INVENTION	Hexagonally Symmetric Integrated Circuit Cell		
SIGNATURE OF INVENTOR AND NAME	<i>Shane R Palmer</i> Shane Palmer		
DATE	X 3/23/99		
RESIDENCE (City, County, State)	Dallas, Dallas County, Texas		
DATE APPLICATION EXECUTED	X 3/23/99		

After recording return Assignment to: Jacqueline J. Garner
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Dallas, Texas 75265