

01-20-1999

FORM PTO-1595

U.S. Department of Commerce
Patent and Trademark Office

100945980

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

JC511 U.S. PTO
09/224616
12/31/98

1. Name of conveying party(ies):

Akitoshi Nishimura
Katsuhiro Aoki

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

Name: Texas Instruments Incorporated

Address: PO Box 655474, M/S 3999

City: Dallas

State: Texas Zip: 75265

Additional name(s) attached? ___ Yes ___X___ No

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

3. Nature of Conveyance:

 X Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 01/12/98 & 01/21/98

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

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

Execution date of the application: 01/12/98 & 01/21/98
 Title: Ferroelectric Memory with Bipolar Drive Pulses
 Docket: TI-26607
 Filing Date: 12/31/98

A. Patent Application No.(s)

60/070,224

Additional numbers attached? ___ Yes ___X___ No

B. Patent No.(s)

Additional numbers attached? ___ Yes ___X___ No

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

Name: Carlton H. Hoel
Texas Instruments Incorporated

Address: PO Box 655474, M/S 3999

City: Dallas

State: Texas Zip: 75265

6. Number of applications and patents involved: 1 7. Amount of fee enclosed or authorized to be charged: **\$40**8. Deposit account number (Attach two copies of this form if paying by deposit account): **20-0668**

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.

12/29/98
Date

Carlton H. Hoel, Registration No. 29,934

Page 1 of 3

PATENT
REEL: 9697 FRAME: 0631

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 13500 North Central Expressway, 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 and 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: Ferroelectric Memory with Bipolar Drive Pulses;	
Inventor: Akitoshi Nishimura	
Date: <u>1-1-80</u>	Signature: <u>[Signature]</u>
Date Application Executed: <u>1-1-80</u>	
Residence and Mailing Address: 6900 Preston Road #2521, Plano, TX 75024	Citizenship: Japan
Inventor: Katsuhiro Aoki	
Date: _____	Signature: _____
Date Application Executed: _____	
Residence and Mailing Address: 2-9-1-208 Kohoku, Tsuchiura, Ibaraki, 300, Japan	Citizenship: Japan

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

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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 and 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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Inventor: Akitoshi Nishimura	
Date: _____	Signature: _____
Date Application Executed: _____	
Residence and Mailing Address: 6900 Preston Road #2521, Plano, TX 75024	Citizenship: Japan
Inventor: Katsuhiro Aoki	
Date: <u>Jan 12, 1998</u>	Signature: <u>Katsuhiro Aoki</u>
Date Application Executed: <u>Jan 12, 1998</u>	
Residence and Mailing Address: 2-9-1-208 Kohoku, Tsuchiura, Ibaraki, 300, Japan	Citizenship: Japan

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. Department of Commerce
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