

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael Patrick Clinton</td> <td>03/26/2010</td> </tr> <tr> <td>Lakshmikantha V. Holla</td> <td>03/29/2010</td> </tr> <tr> <td>Vinod Menezes</td> <td>03/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Michael Patrick Clinton	03/26/2010	Lakshmikantha V. Holla	03/29/2010	Vinod Menezes	03/29/2010
Name	Execution Date								
Michael Patrick Clinton	03/26/2010								
Lakshmikantha V. Holla	03/29/2010								
Vinod Menezes	03/29/2010								
RECEIVING PARTY DATA									
Name:	Texas Instruments Incorporated								
Street Address:	7839 Churchill Way								
Internal Address:	M/S 3999								
City:	Dallas								
State/Country:	TEXAS								
Postal Code:	75251								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12764399</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12764399				
Property Type	Number								
Application Number:	12764399								
CORRESPONDENCE DATA									
Fax Number:	(972)664-9606								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	972-917-4371								
Email:	uspto@ti.com								
Correspondent Name:	TEXAS INSTRUMENTS INCORPORATED								
Address Line 1:	P O BOX 655474, M/S 3999								
Address Line 4:	DALLAS, TEXAS 75265								
ATTORNEY DOCKET NUMBER:	TI-68665								
NAME OF SUBMITTER:	Rodney M. Anderson								

Total Attachments: 3
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**PATENT
 REEL: 024265 FRAME: 0756**

CH \$40.00 12764399

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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.

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, M/S 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.

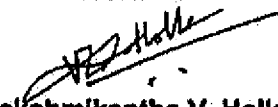
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, 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 Paris Convention for the Protection of Industrial Property, 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	COMBINED WRITE ASSIST AND RETAIN-TILL-ACCESSED MEMORY ARRAY BIAS
SIGNATURE OF INVENTOR AND NAME	Michael Patrick Clinton
DATE	
RESIDENCE (CITY AND STATE)	1410 Rio Grande Drive Allen, TX 75013

SIGNATURE OF INVENTOR AND NAME	 Lakshmi Kantha V. Holla
DATE	29-MARCH-2010
RESIDENCE (CITY AND STATE)	109, "Triveni", Ramakrishna Gardens, Devsandra Bangalore, Karnataka 560054 India

MPC

Attorney Docket No.
TI-68685

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.

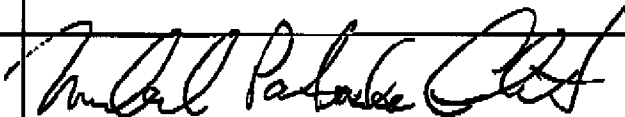
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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, 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 Paris Convention for the Protection of Industrial Property, 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.

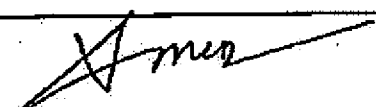
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TITLE OF INVENTION	COMBINED WRITE ASSIST AND RETAIN-TILL-ACCESSED MEMORY ARRAY BIAS
SIGNATURE OF INVENTOR AND NAME	 Michael Patrick Clinton
DATE	3/26/2010
RESIDENCE (CITY AND STATE)	1410 Rio Grande Drive Allen, TX 75013

SIGNATURE OF INVENTOR AND NAME	Lakshmi Kantha V. Holla
DATE	
RESIDENCE (CITY AND STATE)	108, "Triveni", Ramakrishna Gardens, Devsandra Bangalore, Karnataka 560054 India

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

TITLE OF INVENTION	COMBINED WRITE ASSIST AND RETAIN-TILL-ACCESSED MEMORY ARRAY BIAS
SIGNATURE OF INVENTOR AND NAME	 Vinod Menezes
DATE	<i>29-MARCH-2010</i>
RESIDENCE (CITY AND STATE)	26 Lloyd Road, Cooke Town Bangalore, Karnataka 560054 India

After recording, return Assignment to:

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, TX 75265