

Rev 05/03

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To the Honorable Commissioner (thereof.

102635375

and the attached original documents or copy

1. Name of conveying party(ies)  
David Michael Alter

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies)  
Name: TEXAS INSTRUMENTS INCORPORATED  
Internal Address:  
Street Address: 7839 Churchill Way, MS 3999  
City: Dallas State: Texas Zip: 75265  
Country: USA

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

17510 U.S. PTO  
10/738870

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

Execution Date: 12/16/03 respectively

10/738870

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: December 16, 2003  
A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Weingarten, Schurgin,  
Gagnebin & Lebovici LLP  
Ten Post Office Square  
Boston, Massachusetts 02109

6. Total number of applications and patents  
Involved [1]

7. Total fee (37 CFR 3.41)....\$40.00  
[X] Enclosed  
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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.

Attorney Name: Richard E. Gamache  
Registration No. 39,196

Signature: Richard E. Gamache Date: 12/17/03

Total number of pages including cover sheet, attachments, and document: [2]

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PATENT  
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ATTORNEY DOCKET NO.  
TI-36898  
(UNTI-17400)

**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	DYNAMIC COMPENSATION OF ANALOG-TO-DIGITAL CONVERTER (ADC) OFFSET ERRORS USING FILTERED PWM		
SIGNATURE OF INVENTOR AND NAME	(1) <i>David M. Alter</i> David Michael Alter	(2)	(3)
DATE	12/16/03		
RESIDENCE (City, State)	27 Arborwood Dr. Burlington, MA 01803		
DATE APPLICATION EXECUTED	12/16/03		

After recordation, please return Assignment to:

W. Daniel Swayze, Jr. Esq.  
Texas Instruments Incorporated  
P.O. Box 655474, M/S 3999  
Dallas, TX 75265

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