

02-15-2005

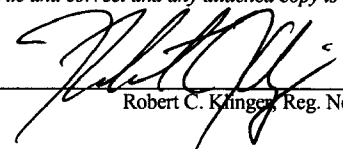


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FORM PTO-1595 Docket Number: TI-39396		RECORDATION FORM COVER SHEET Patents Only		U.S. Department of Commerce Patent and Trademark Office	
To the Ass't Commissioner for Patents. Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Zhang Weibiao James R. Hochschild			2. Name and Address of receiving party(ies): Name: Texas Instruments Incorporated Address: P. O. Box 655474 M/S 3999 City: Dallas, TX 75265 Country: United States of America Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: January 28, 2005					
4. Application number(s) or patent number(s). <input checked="" type="checkbox"/> This document is being filed together with a new application. Execution date of the application: January 28, 2005 Title: A DYNAMIC DITHER FOR SIGMA-DELTA CONVERTERS					
A. Patent Application No.(s) S.N. _____ Filed: _____ Additional number attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Dan Swayze Texas Instruments Incorporated P. O. Box 655474, M/S 3999 Dallas, TX 75265 Tel: (972) 917-5633			6. Number of applications and patents involved: <u> (1) </u>		
DO NOT USE THIS SPACE			7. Amount of fee authorized to be charged: \$40.		
			8. Deposit Account No: 20-0668		
9. Statement and signature. <i>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.</i> January 31, 2005 _____ Date  Robert C. Kingen, Reg. No. 34,365 Total Number of Pages Including Cover Sheet, Attachments and Document: <u> 2 </u>					

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PATENT
REEL: 016244 FRAME: 0969

ATTORNEY'S DOCKET NO.
TI-39396

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 7839 Churchill Way, M.S. 3999, Dallas, TX 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 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	A DYNAMIC DITHER FOR SIGMA-DELTA CONVERTERS		
SIGNATURE OF INVENTOR AND NAME	(1) <i>Zhang Weibiao</i> Zhang Weibiao	(2) <i>James R. Hochschild</i> James R. Hochschild	(3)
DATE	1/28/05	1/28/05	
RESIDENCE (City, State)	Plano, Texas	Plano, Texas	

After recording return Assignment to:

Dan Swayze
Texas Instruments Incorporated
P. O. Box 655474, M/S 3999
Dallas, TX 75265

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RECORDED: 01/31/2005

PATENT
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