

FORM PTO-1595		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. Department of Commerce Patent and Trademark Office	
TI-37731					
To the Commissioner for Patents. Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Sameer Kumar Ajmera Darius L. Crenshaw Stephan Grunow Satyavolu S. Papa Rao Phillip D. Matz			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 ___X___ No		
3. Nature of Conveyance: ___X___ Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____ Execution Date: Ajmera, Grunow, Papa Rao 08/03/2004; Matz 08/04/2004; Crenshaw 08/05/2004					
4. Application number(s) or patent number(s). Execution date of the application: Ajmera, Grunow, Papa Rao 08/03/2004; Matz 08/04/2004; Crenshaw 08/05/2004 Title: Metal Insulator Metal (MIM) Capacitor Fabrication with Sidewall Barrier Removal Aspect Docket No: TI-37731 A. Patent Application No.(s) S.N. 10/903,712 B. Patent No.(s) Additional numbers attached? ___ Yes ___X___ No Additional numbers attached? ___ Yes ___X___ No					
5. Name and address of party to whom correspondence concerning this document should be mailed: Name: Peter K. McLarty, Reg. No. 44,923 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 (Attach duplicate copy if paying by deposit account)		
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. Date <u>11/11/04</u> Peter K. McLarty, Reg. No. 44,923 Total Number of Pages Including Cover Sheet, Attachments and Document: <u>5</u>					

CH \$40.00 200668 10903712

Attorney Docket No. TI-37731

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 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;

NEW, 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.

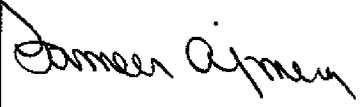

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

PATENT
REEL: 015372 FRAME: 0806

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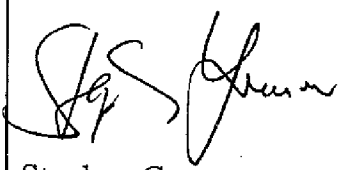

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TITLE OF INVENTION	METAL INSULATOR METAL (MIM) CAPACITOR FABRICATION WITH SIDEWALL BARRIER REMOVAL ASPECT	
SIGNATURE OF INVENTOR AND NAME	 Sameer Kumar Ajmera	 Darius L. Crenshaw
DATE	8/3/04	8/5/2004
RESIDENCE (CITY AND STATE)	2002 Bluebonnet Drive Richardson, Texas 75082	805 Weeping Willow Court Allen, Texas 75002
DATE APPLICATION EXECUTED		

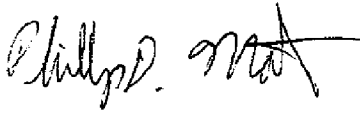
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TITLE OF INVENTION	METAL INSULATOR METAL (MIM) CAPACITOR FABRICATION WITH SIDEWALL BARRIER REMOVAL ASPECT	
SIGNATURE OF INVENTOR AND NAME	 Stephan Grunow	 Satyavolu S. Papa Rao
DATE	8/3/04	8/3/2004
RESIDENCE (CITY AND STATE)	7601 Churchill Way Apt. #1032 Dallas, Texas 75251	7013 Woodsprings Drive Garland, Texas 75044
DATE APPLICATION EXECUTED		

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TITLE OF INVENTION	METAL INSULATOR METAL (MIM) CAPACITOR FABRICATION WITH SIDEWALL BARRIER REMOVAL ASPECT	
SIGNATURE OF INVENTOR AND NAME	 Phillip D. Matz	
DATE	August 4, 2004	
RESIDENCE (CITY AND STATE)	2604 Saint Michelle Lane McKinney, Texas 75070	
DATE APPLICATION EXECUTED		

After recording, return Assignment to: Peter McLarty, Esq.
Texas Instruments Incorporated
P.O. Box 655474, M/S 3999
Dallas, TX 75265