01-28-19**99** TI-26588 **FORM PTO-1595** æ RECORDATION FORM COVER S 100953262 PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies) 2. Name and Address of receiving party(ies) Prashant P. Gandhi Texas Instruments Incorporated Nan ⊕: Address: P. O. Box 655474, M.S. 3999 City Dallas State: Texas Zip 75265 Additional name(s) & address(es) Additional name(s) & address(es attached? attached? 3. Nature of Conveyance: 1-15-99 Assignment _ <u>X</u> Merger Security Agreement Change of Name Other Execution Date: 1/26/98 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: 1/26/98 A. Patent Application No.(s) B. Fatent No.(s) Additional numbers attached? ___ Yes Additional numbers attached? 5. Name and address of party to whom correspondence concerning Number of applications and patents involved: document should be mailed: Name: Christopher L. Maginniss Texas Instruments Incorporated P. O. Box 655474, M.S. 3999 City Dallas State: Texas Zip: 75265 Amount of fee enclosed or authorized to be charged: \$40.00 01/27/1999 JSHABAZZ 00000087 200668 8. Deposit account number: 20-0668 / 01 FC:581-DO NOT ISE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing informat on is true and correct and any attached copy is a true copy of the original document

Signature

Christop er L. Maginniss, Reg. No. 30,288

Nam et al. Maginniss, Reg. No. 30,288

15 99 Date

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

REEL: 9713 FRAME: 0844

AS SIGNMENT

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 INCOR 'ORATED, 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, at v 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;

RECORDED: 01/15/1999

Title of Invention: Reduced Multiplier Digital IIR	ilters	
Inventor: Prashant P. Gandhi X Date: 1/26/98	Signature: _	prashant gand
Date Application Executed:		Sunnyvale, CA 94086 Citizenship: U.S.

PATENT REEL: 9713 FRAME: 0845