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(Rev. 10/02)



SHEET

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22154 U.S. PTO
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1. Name of conveying parties(ies): **Date:**
 Uday Shridhar SAPRE 07/30/2004
 Achuta Reddy THIPPANA 07/30/2004
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: Texas Instruments Incorporated
 Internal Address: MS 3999
 Street Address: P. O. Box 655474
 City: Dallas State: TX Zip: 75265
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
 Execution Date: July 30, 2004

4. Application number(s) or patent number(s): 101909601
 If this document is being filed together with a new application, the execution date of the application is : July 30, 2004
 A. Patent Application No.(s). New Application
 B. Patent No.(s).
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Ron Neerings
 Texas Instruments Incorporated
 P. O. Box 655474, MS 3999
 Dallas, TX 75265

6. Total number of application and patents involved: 1
 7. Total fee (37 CFR 3.41)\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
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9. Signature.
 Pedro P. Hernandez, Reg No. 35,190
 Name of Person Signing P.P. Hernandez Signature 8/2/04 Date

Total number of pages including cover sheet, attachments, and documents 2

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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, the said application having been executed on the date set forth below; and

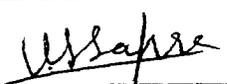
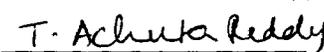
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at P.O. Box 655474, MS 3999, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

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 Ass't Commissioner for Patents 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	FIFO WITH MULTIPLE DATA INPUTS AND METHOD THEREOF		
SIGNATURE OF INVENTOR AND NAME	 (1) Uday Shridhar SAPRE	 (2) Achuta Reddy THIPPANA	(3)
DATE			
RESIDENCE (City, County, State)	2457 Hunters Run Dr. Plano, Collin TX 75025	8917 Mount Rainier Dr. Plano, Collin TX 75025	
DATE APPLICATION EXECUTED	7/30/04	7/30/04	

After recordation, please return Assignment to:

Ron Neerings
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265