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FEB 1 4 2007 U.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 08/05 United States Patent and Trademark Office OMB No 0651-0027 (exp 6/30/2 02-22-2007 **COVER SHEET** NIY 103374084 decoments or the new address(es) below 2. Name and address of receiving party(ies) 1, Name of conveying party(ies) (1) Name Texas Instruments Inc. 1. Michael Francis Pas 2. Shaofeng Yu Street Address: P.O. Box 655474; MS 3999 3. Dallas State: TX 4. Country: USA Zip: 75265 3. Nature of conveyance/Execution Date(s) Execution Date(s) 2/14/2007;2/14/2007 (2) Name Assignment ☐ Merger Street Address: Security Agreement ☐ Change of Name State: CIty: Joint Research Agreement Country: Government Interest Assignment □ Executive Order 9424 Confirmatory License Additional name(s) and Address(es) attached? Yes V No 4. Application or patent number(s): This document is being filed together with a new A. Patent Application No.(s) application. B. Patent No.(s) 11/674,902 filed 02/14/2007 **V** No 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name: Peter McLarty 7. Total Fee (37 CFR 1.21(h) & 3.41) \$40,00 Internal Address: ☐ Authorized to be charged by credit card Company: Texas Instruments Inc. Authorized to be charged to deposit account ☐ Enclosed Address: P.O. Box 655474; MS 3999 ☐ None required (government interest not affecting title) City: 8. Payment Information TX Zip: 75265 State a. Credit Card Last 4 Numbers Phone Number (972) 917-4258 Expiration Date: Fax Number (972) 917-4418 b. Deposit Account Number: 20-0668 Authorized User Name: Peter McLarty Email Address p-mclarty1@ti.com 9. Signature ....... 2/14/2007 02/21/2007 DBYRNE 00000023 200668anatt624902 Date

> Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PAGE 2/3 \* RCVD AT 2/14/2007 5:00:24 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-5/3 \* DNIS:2738300 \* CSID:972 480 8865 \* DURATION (mm-ss):01-14

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Total number of Pages including Cover

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_	ATTORNEY DOCKET NO.
	TI 61018

## ASSIGNMENT

WHERBAS, 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 assigned 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	FABRICATION OF TRA GATE ELECTRODE AND		LLY SILICIDED
SIGNATURE OF INVENTOR AND NAME	Michael Francis Pas	Shaofeng Yu	(3)
DATE	14 Filha nen 2007	2/14/07	
RESIDENCE (City, State)	Richardson, Texas	Piano, Texas	
DATE APPLICATION EXECUTED			

After recordation, please return Assignment to:

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

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PATENT REEL: 018946 FRAME: 0802

**RECORDED: 02/14/2007**