

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Kaiping Lu		10/06/2005
RECEIVING PARTY DATA		
Name:	Texas Instruments Incorporated	
Street Address:	7839 Churchill Way, MS 3999	
City:	Dallas	
State/Country:	TEXAS	
Postal Code:	75251	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11248079	
CORRESPONDENCE DATA		
Fax Number:	(972)917-4418	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	9729175280	
Email:	jimhollander@ti.com	
Correspondent Name:	James F. Hollander	
Address Line 1:	7839 Churchill Way, MS 3999	
Address Line 4:	Dallas, TEXAS 75251	
ATTORNEY DOCKET NUMBER:	TI-37388	
NAME OF SUBMITTER:	James F. Hollander	
Total Attachments: 1 source=37388_Assignment#page1.tif		

CH \$40.00 11248079

500097030

PATENT
REEL: 017518 FRAME: 0418

ATTORNEY DOCKET NO.

TI-37388

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or each 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

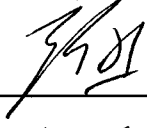
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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 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, 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	TRANSISTORS, INTEGRATED CIRCUITS, SYSTEMS, AND PROCESSES OF MANUFACTURE WITH IMPROVED WORK FUNCTION MODULATION		
SIGNATURE OF INVENTOR AND NAME	(1) Kaiping Liu 	(2)	(3)
DATE	OCT 06, 2005		
RESIDENCE (City, State)	Plano, TX		
DATE APPLICATION EXECUTED			

After recordation, please return Assignment to:

James F. Hollander
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, Texas 75265

PATENT

RECORDED: 04/24/2006

REEL: 017518 FRAME: 0419