

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zukang Shen</td> <td>03/04/2009</td> </tr> <tr> <td>Jing Jiang</td> <td>03/04/2009</td> </tr> <tr> <td>Tarik Muharemovic</td> <td>03/04/2009</td> </tr> </tbody> </table>		Name	Execution Date	Zukang Shen	03/04/2009	Jing Jiang	03/04/2009	Tarik Muharemovic	03/04/2009
Name	Execution Date								
Zukang Shen	03/04/2009								
Jing Jiang	03/04/2009								
Tarik Muharemovic	03/04/2009								
RECEIVING PARTY DATA									
Name:	Texas Instruments Incorporated								
Street Address:	12500 TI Boulevard								
Internal Address:	MS 3999								
City:	Dallas								
State/Country:	TEXAS								
Postal Code:	75243								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12397763</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12397763				
Property Type	Number								
Application Number:	12397763								
CORRESPONDENCE DATA									
Fax Number:	2144791273								
Phone:	214-479-1156								
Email:	uspto@ti.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	TEXAS INSTRUMENTS INCORPORATED								
Address Line 1:	P O BOX 655474, M/S 3999								
Address Line 4:	DALLAS, TEXAS 75265								
ATTORNEY DOCKET NUMBER:	TI-66042								
NAME OF SUBMITTER:	Jackie McBride								
Total Attachments: 2 source=TI-66042_EXECUTED_ASSIGNMENT#page1.tif source=TI-66042_EXECUTED_ASSIGNMENT#page2.tif									

CH \$40.00 12397763

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 a place of business at 7839 Churchill Way, M/S 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 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.

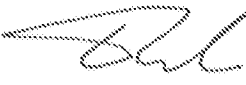

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection 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	Transmission of Multiple ACK/NAK Bits With Data
SIGNATURE OF INVENTOR AND NAME	Zukang Shen 
DATE	03/04/08
RESIDENCE (CITY AND STATE)	Richardson, TX
DATE APPLICATION EXECUTED	03/04/08

TITLE OF INVENTION	Transmission of Multiple ACK/NAK Bits With Data
SIGNATURE OF INVENTOR AND NAME	Jing Jiang 
DATE	03/04/2009
RESIDENCE (CITY AND STATE)	Allen, TX
DATE APPLICATION EXECUTED	03/04/2009

TITLE OF INVENTION	Transmission of Multiple ACK/NAK Bits With Data
SIGNATURE OF INVENTOR AND NAME	Tarik Muharemovic  
DATE	03/04/2009
RESIDENCE (CITY AND STATE)	Dallas, TX
DATE APPLICATION EXECUTED	03/04/2009

After recording, return Assignment to:

Robert D. Marshall, Jr.
 Texas Instruments Incorporated
 PO Box 655474, M/S 3999
 Dallas, TX 75265