Form **PTO-1595** (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009)

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Sahil KHURANA	Name: Texas Instruments Incorporated				
Vivek SINGHAL Yogesh DARWHEKAR	Internal Address: M/S 3999				
Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance/Execution Date(s):					
Execution Date(s) June 1, 2010 and June 2, 2010	Street Address: PO Box 655474				
Security Agreement Change of Name	City: Dallas				
Joint Research Agreement	State: TX				
Government Interest Assignment	<u></u>				
Executive Order 9424, Confirmatory License	Country: US Zip: 75265				
Other	Additional name(s) & address(es) attached? Yes No				
4. Application or patent number(s):	document is being filed together with a new application.				
A. Patent Application No.(s)	B. Patent No.(s)				
12/813,527  Additional numbers att	rached? Yes No				
5. Name and address to whom correspondence	6. Total number of applications and patents				
concerning document should be mailed:	involved:				
Name: Texas Instruments Incorporated	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40				
Internal Address: M/S 3999					
	Authorized to be charged to deposit account				
Street Address: PO Box 655474	Enclosed				
	None required (government interest not affecting title)				
City: <u>TX</u>	8. Payment Information				
State:         Zip:         75265					
Phone Number:	Deposit Account Number 200668				
Fax Number:	•				
Email Address:	Authorized User Name <u>Kanika Radhakrishnan</u>				
9. Signature:	2010.07.11				
/Kanika Radhakrishnan Signature	/				
Kanika Radhakrishnan Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:				
ivame of Person Signing	,,,				

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PATENT REEL: 024520 FRAME: 0871

## Application No.

Attorney Docket No. TI-67807

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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.

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, as well as to U.S. Provisional Application No(s). \_\_\_\_\_\_\_\_, filed \_\_\_\_\_\_\_;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto 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(s) and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, 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 corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such 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.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE	CIRCUIT FOR ALIGNING INPUT SIGNALS	
NONPROVISIONAL APPLICATION NO.	FILING DATE	
SIGNATURE OF INVENTOR	Sorlil Khurana	
PRINTED NAME OF INVENTOR	Sahil KHURANA	
DATE	1 June, 2010	
RESIDENCE (CITY AND STATE)	Karnal, Haryana	

PATENT REEL: 024520 FRAME: 0872 TI-67807

Page 2

Application No.

Attorney Docket No. TI-67807

SIGNATURE OF INVENTOR	V2	
PRINTED NAME OF INVENTOR	Vivek SINGHAL	
DATE	1 June 2010	
RESIDENCE (CITY AND STATE)	Bangalore, Karnataka	

SIGNATURE OF INVENTOR	Jeogen_
PRINTED NAME OF INVENTOR	Yogesh DARWHEKAR
DATE	2 JUNE 2010
RESIDENCE (CITY AND STATE)	Bangalore, Karnataka

PATENT REEL: 024520 FRAME: 0873

**RECORDED: 06/11/2010**