Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FO	RM COVER SHEET
PATENT	S ONLY Atty Docket No. Ti-65743
To the Director of the U.S. Patent and Trademark Office: Plea	ise record the attached documents or the new address(es) below.
Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
Bing Ouyang Jeff Kordel	Name: Texas Instruments Incorporated
John Michael Hayden	Internal Address:
Troy Lane Ethridge	
Hong Jin Cho	Street Address: P.O. Box 655474, M/S 3999
Execution Date(s) <u>7-1-08 (Ouyang, Hayden, Ethridge, Cho);</u> <u>7-7-</u> 08 (Kordel)	
Additional name(s) of conveying party(les) attached? Yes X No	City Balles
3. Nature of conveyance:	City: Dallas
X Assignment Merger	State: <u>Texas</u>
Security Agreement Change of Name	Country: <u>US</u> Zip: <u>75265</u>
Government Interest Assignment	
Executive Order 9424, Confirmatory License	1
Other	
	Additional name(s) & address(es) attached? Yes X No
4. Application or patent number(s): A. Patent Application No.(s) 12/170,198	is document is being filed together with a new application. B. Patent No.(s)
Additional numbers at	tached? Yes X No
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed: Name: Dawn V. Stephens	involved: 1
	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address:	Authorized to be charged by credit card
	X Authorized to be charged to deposit account
Street Address: Customer No. 23494	Enclosed
	Liciosed
City:	None required (government interest not affecting title)
State: Zip:	8. Payment Information
Phone Number: <u>972-917-5290</u>	a Cradit Card - Last 4 Numbers
Fax Number: 972-917-4418	a. Credit Card
Email Address:	b. Deposit Account Number 20-0668
	S. Seposit Account Nation
	Authorized User Name Brian A. Carlson
	July 10, 2008
9. Signature:	Date
-	Total number of pages including cover sheet, attachments, and documents: 3
Brian A. Carlson, Reg. No. 37,793 Name of Person Signing	sincer, anacimients, and documents:
	<u> </u>

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5985, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

Attorney Docket No. TI-65743

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 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 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 WHER	EOF, I bereunto set hand and seal th	is day and year;	111	
TITLE OF INVENTION	System and Method for Clock Offset Detection		System and Method for Clock Offset Detection	
SIGNATURE OF INVENTOR AND NAME	(1) Bing Quyang	Jan Mahal Tayle (2) John Michael Hayden	Jo Jane Tout	
DATE	7/1/2008	7/1/2008	7/4/08	
RESIDENCE (CITY AND STATE)	Plano, TX	Allen, TX	Bedford, TX	

After recording, return Assignment to:

Dawn V. Stephens Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dallas, TX 75265

PATENT Page 1 of 2

REEL: 021220 FRAME: 0852

Attorney Docket No. TI-65743

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

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TITLE OF INVENTION	System and Method for Clock Offset Detection	
SIGNATURE OF INVENTOR AND NAME	Hong Jin Cho	(5) Jeff Kordel
DATE RESIDENCE (CITY AND STATE)	7/1/07 Allen, TX	7/7/08

After recording, return Assignment to:

Dawn V. Stephens Texas Instruments Incorporated P.O. Box 655474, M/S 3999 Dallas, TX 75265

Rev. 05/2000

PATENT Page 2 of 2

RECORDED: 07/10/2008 REEL: 021220 FRAME: 0853