

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gennady Feygin</td> <td>09/05/2006</td> </tr> <tr> <td>Khurram Muhammad</td> <td>09/05/2006</td> </tr> <tr> <td>Chih-Ming Hung</td> <td>09/05/2006</td> </tr> <tr> <td>Meng-Chang Lee</td> <td>09/05/2006</td> </tr> </tbody> </table>		Name	Execution Date	Gennady Feygin	09/05/2006	Khurram Muhammad	09/05/2006	Chih-Ming Hung	09/05/2006	Meng-Chang Lee	09/05/2006
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Gennady Feygin	09/05/2006										
Khurram Muhammad	09/05/2006										
Chih-Ming Hung	09/05/2006										
Meng-Chang Lee	09/05/2006										
RECEIVING PARTY DATA											
Name:	Texas Instruments Incorporated										
Street Address:	P.O. Box 655474										
Internal Address:	M/S 3999										
City:	Dallas										
State/Country:	TEXAS										
Postal Code:	75265										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11500083</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11500083						
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Application Number:	11500083										
CORRESPONDENCE DATA											
Fax Number:	(972)917-4417										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	972 917 5299										
Email:	e-austin@ti.com										
Correspondent Name:	Ronald O. Neerings										
Address Line 1:	7839 Churchill Way, M/S 3999										
Address Line 4:	Dallas, TEXAS 75251										
ATTORNEY DOCKET NUMBER:	TI-60694										
NAME OF SUBMITTER:	Ronald O. Neerings										

CH \$40.00 11500083

Total Attachments: 2

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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

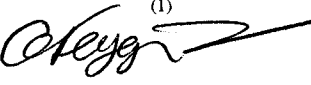
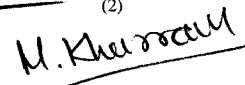
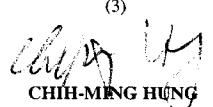
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, P.O. Box 655474, MS 3999, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest 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 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 my hand and seal this day and year;

TITLE OF INVENTION	METHOD AND APPARATUS TO PROVIDE DIGITALLY CONTROLLED CRYSTAL OSCILLATORS		
SIGNATURE OF INVENTOR AND NAME	(1)  GENNADY FEYGIN	(2)  KHURRAM MUHAMMAD	(3)  CHIH-MING HUNG
DATE	09/05/2006	9/5/2006	9/5/2006
RESIDENCE (City, State)	4533 Meadow Ridge Drive, Plano, TX 75093	2843 Coteau Way, Dallas, TX 75227	7325 Chadwick Drive, McKinney, TX 75070
DATE APPLICATION EXECUTED	08/07/2006	08/07/2006	08/07/2006

After recordation, please return Assignment to:

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

ASSIGNMENT

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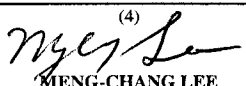
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TITLE OF INVENTION	METHOD AND APPARATUS TO PROVIDE DIGITALLY CONTROLLED CRYSTAL OSCILLATORS		
SIGNATURE OF INVENTOR AND NAME	 MENG-CHANG LEE		
DATE	9/15/06		
RESIDENCE (City, State)	411 BUCKINGHAM RD., #732, RICHARDSON, TX 75081		
DATE APPLICATION EXECUTED	08/07/2006		

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

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RECORDED: 09/08/2006

REEL: 018222 FRAME: 0738