

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Douglas W. Dean</td> <td>09/01/2011</td> </tr> <tr> <td>Jeremy R. Kuehlwein</td> <td>09/01/2011</td> </tr> </tbody> </table>		Name	Execution Date	Douglas W. Dean	09/01/2011	Jeremy R. Kuehlwein	09/01/2011
Name	Execution Date						
Douglas W. Dean	09/01/2011						
Jeremy R. Kuehlwein	09/01/2011						
RECEIVING PARTY DATA							
Name:	Texas Instruments Incorporated						
Street Address:	12500 TI Boulevard						
Internal Address:	M/S 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>13227190</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13227190		
Property Type	Number						
Application Number:	13227190						
CORRESPONDENCE DATA							
Fax Number:	2144791273						
Phone:	214-479-1239						
Email:	mathewson@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:	John J. Patti						
Address Line 1:	12500 TI Boulevard						
Address Line 2:	M/S 3999						
Address Line 4:	Dallas, TEXAS 75243						
ATTORNEY DOCKET NUMBER:	TI-70821						
NAME OF SUBMITTER:	Tina Mathewson						
Total Attachments: 2 source=70821_Assignment#page1.tif source=70821_Assignment#page2.tif							

CH \$40.00 13227190

**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.

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 therefor, 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.

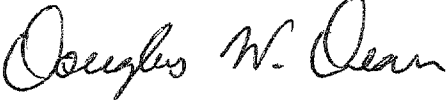
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris 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.

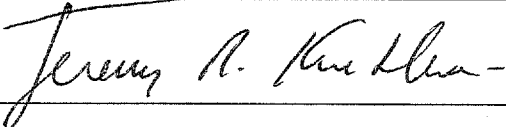
IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE	LASER DRIVER		
NONPROVISIONAL APPLICATION NO.	13/227,190	FILING DATE	9/1/2011

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Douglas W. Dean
DATE	9/1/11
RESIDENCE (CITY AND STATE)	Eagan, MN

Application No. 13/227,190

Attorney Docket No. TI-70821

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Jeremy R. Kuehlwein
DATE	9/1/11
RESIDENCE (CITY AND STATE)	Woodbury, MN

After recording, return Assignment to: Texas Instruments Incorporated  
12500 TI Boulevard (M/S 3999)  
Dallas, Texas 75243