

01-08-2003

FORM PTO 1595  
1-31-92U.S. DEPARTMENT OF COMMERCE  
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ed original documents or copy thereof.

To the Honorable Commission

## 1. Name and Address of Conveying Party(ies):

Steven M. Penn  
7312 Angel Fire Drive  
Plano, Texas 75025  
Collin County  
Individual Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

☒ Yes ☐ No

12/20/02

## 2. Name and Address of receiving Party(ies):

Name: TEXAS INSTRUMENTS INCORPORATED

Mailing Address: Legal Department  
P.O. Box 655474, M/S 3999  
Dallas, Texas 75251Street Address: Legal Department  
7839 Churchill Way, M/S 3999  
Dallas, Texas 75265Additional name(s) &  
Address(es) attached?☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 12/13/02, 12/15/02, 12/13/02

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12/13/02, 12/15/02, 12/13/02.

A. Patent Application No.(s):

B. Patent No.(s):

Additional Numbers ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed to:

Name: Charles A. Brill, Esq.  
Internal Address: TEXAS INSTRUMENTS INCORPORATED  
Street Address: 7839 Churchill Way, M/S 3999  
City: Dallas  
State: Texas Zip 75251

## 6. Total number of application and patents involved: One

## 7. Total Fee (37C.F.R. 3.41): \$40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit Account Number:

No. 20-0668 of Texas Instruments Incorporated

(Attach Duplicate Copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ann C. Livingston, Reg. No. 32,479  
Name of Person Signing

Signature

Date

12/19/02

Total number of pages including cover sheet

3

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DAL01:711200

PATENT  
REEL: 013627 FRAME: 0262

1. **Name of Conveying Parties – Continued – ALL INDIVIDUALS**

Duane S. Dewald  
6540 Harvest Glen Drive  
Dallas, Texas 75248  
Dallas County  
Citizenship: United States of America

Terry (nmi) Bartlett  
4214 Alta Vista Lane  
Dallas, Texas 75229  
Dallas County  
Citizenship: United States of America

**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

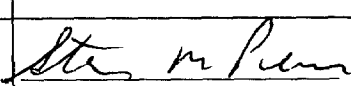
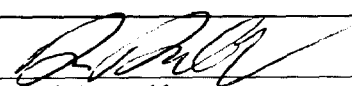
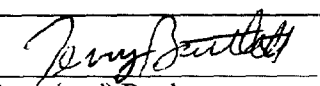
**WHEREAS**, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to 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 and 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 to issue all patents for said invention, or patents 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 hand and seal this day and year:

Title of Invention	<b>ADAPTIVE ILLUMINATION MODULATOR</b>		
Signature of Inventor and Name	 Steven B. Penn	 Duane S. Dewald	 Terry (nmi) Bartlett
Date	12/13/02	12/15/02	12/13/02
Residence (City, State & County)	7312 Angel Fire Drive Plano, Collin County, Texas 75025	6540 Harvest Glen Drive Dallas, Dallas County, Texas 75248	4214 Alta Vista Lane Dallas, Dallas County, Texas 75229
Date Application Executed	12/13/02	12/15/02	12/13/02

After recording, return Assignment to:  
Charles A. Brill, Esq.  
Texas Instruments Incorporated  
P. O. Box 655474, M/S 3999  
Dallas, Texas 75265

DAL01:711186

**RECORDED: 12/20/2002****PATENT**  
**REEL: 013627 FRAME: 0264**