

## 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>Mr. Daniel M. Joffe</td> <td>03/28/2011</td> </tr> <tr> <td>Mr. Brian Smith</td> <td>03/23/2011</td> </tr> </tbody> </table>   |                    | Name          | Execution Date | Mr. Daniel M. Joffe | 03/28/2011         | Mr. Brian Smith | 03/23/2011 |                |         |              |       |
| Name   | Execution Date     |               |                |                     |                    |                 |            |                |         |              |       |
| Mr. Daniel M. Joffe  | 03/28/2011         |               |                |                     |                    |                 |            |                |         |              |       |
| Mr. Brian Smith  | 03/23/2011         |               |                |                     |                    |                 |            |                |         |              |       |
| RECEIVING PARTY DATA   |                    |               |                |                     |                    |                 |            |                |         |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>ADTRAN, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>901 Explorer Blvd.</td> </tr> <tr> <td>City:</td> <td>Huntsville</td> </tr> <tr> <td>State/Country:</td> <td>ALABAMA</td> </tr> <tr> <td>Postal Code:</td> <td>35806</td> </tr> </table>  |                    | Name:         | ADTRAN, Inc.   | Street Address:     | 901 Explorer Blvd. | City:           | Huntsville | State/Country: | ALABAMA | Postal Code: | 35806 |
| Name:  | ADTRAN, Inc.       |               |                |                     |                    |                 |            |                |         |              |       |
| Street Address:  | 901 Explorer Blvd. |               |                |                     |                    |                 |            |                |         |              |       |
| City:  | Huntsville         |               |                |                     |                    |                 |            |                |         |              |       |
| State/Country:   | ALABAMA            |               |                |                     |                    |                 |            |                |         |              |       |
| Postal Code:   | 35806              |               |                |                     |                    |                 |            |                |         |              |       |
| 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>13077572</td> </tr> </tbody> </table>  |                    | Property Type | Number         | Application Number: | 13077572           |                 |            |                |         |              |       |
| Property Type  | Number             |               |                |                     |                    |                 |            |                |         |              |       |
| Application Number:  | 13077572           |               |                |                     |                    |                 |            |                |         |              |       |
| CORRESPONDENCE DATA  |                    |               |                |                     |                    |                 |            |                |         |              |       |
| <p>Fax Number: 2565120119<br/>         Phone: 256 551 0171<br/>         Email: ipdocket@maynardcooper.com<br/> <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i><br/>         Correspondent Name: Jon E. Holland<br/>         Address Line 1: 655 Gallatin Street, SW<br/>         Address Line 4: Huntsville, ALABAMA 35801</p> |                    |               |                |                     |                    |                 |            |                |         |              |       |
| ATTORNEY DOCKET NUMBER:  | 09-0247.1170B      |               |                |                     |                    |                 |            |                |         |              |       |
| NAME OF SUBMITTER:   | Jon E. Holland     |               |                |                     |                    |                 |            |                |         |              |       |
| Total Attachments: 4<br>source=Assignment1170B#page1.tif<br>source=Assignment1170B#page2.tif<br>source=Assignment1170B#page3.tif<br>source=Assignment1170B#page4.tif   |                    |               |                |                     |                    |                 |            |                |         |              |       |

OP \$40.00 13077572

**ASSIGNMENT  
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

| <u>Name</u>     | <u>Address</u>  |
|-----------------|---|
| Daniel M. Joffe | 2732 Tammerack Lane, Owens Crossroads, Alabama, 35763 |
| Brian Smith     | 100 Griggs Road, Madison, Alabama, 35758              |

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**SYSTEMS AND METHODS FOR ADJUSTING CORE VOLTAGE TO OPTIMIZE  
POWER SAVINGS,**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on March 31, 2011, and assigned Serial No. 13/077,572, and
- ☐ further described in U.S. Non-Provisional application entitled, filed with the USPTO on , and assigned Serial No. .

WHEREAS, ADTRAN, Inc., having a place of business at 901 Explorer Blvd., Huntsville, Alabama, 35806, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

  
Daniel M. Joffe

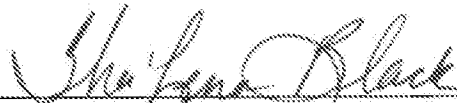
Date: 3/28/2011

United States of America

State of ALABAMA

County of MADISON

On this 28<sup>th</sup> day of MARCH, 2011, before me personally came **Daniel M. Joffe** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

  
Notary Public

August 11, 2012  
My Commission Expires (Date)

Brian Smith  
Brian Smith

Date: 3/23/11

United States of America

State of ALABAMA

County of MADISON

On this 23<sup>rd</sup> day of March, 2011, before me personally came **Brian Smith** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Shirley Black  
Notary Public

August 11, 2012  
My Commission Expires (Date)