

PATENT ASSIGNMENT

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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>Scott William Dendy</td> <td>06/19/2012</td> </tr> <tr> <td>Haibiao Zheng</td> <td>06/19/2012</td> </tr> <tr> <td>Patrick Andrew Price</td> <td>06/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Scott William Dendy	06/19/2012	Haibiao Zheng	06/19/2012	Patrick Andrew Price	06/22/2012		
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<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
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CORRESPONDENCE DATA											
<p>Fax Number: 2565120119 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 256-551-0171 Email: ipdocket@maynardcooper.com Correspondent Name: Jon E. Holland Address Line 1: 655 Gallatin Street SW Address Line 4: Huntsville, ALABAMA 35801</p>											
ATTORNEY DOCKET NUMBER:	05915-0224										
NAME OF SUBMITTER:	Jon E. Holland										
<p>Total Attachments: 5 source=Assignment 1400B#page1.tif source=Assignment 1400B#page2.tif source=Assignment 1400B#page3.tif source=Assignment 1400B#page4.tif source=Assignment 1400B#page5.tif</p>											

OP \$40.00 13531134

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Scott William Dendy	277 Clover Road, Arab, Alabama, 35016
Haibiao Zheng	122 Mill Park Lane, Madison, Alabama, 35758
Patrick Andrew Price	835 Crestview Drive, 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 HAIR PINNING TIME-DIVISION MULTIPLEXING
CALLS ACROSS TIME DOMAINS,**

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on June 22, 2012, and assigned Serial No. 13/531,134, and
- further described in U.S. 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.

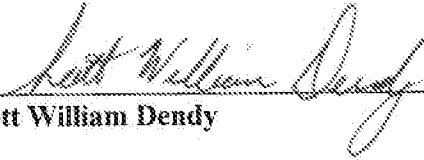
ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR,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




Scott William Dendy

Date: 19 June 2012

United States of America
State of ALABAMA
County of MADISON

On this 19th day of JUNE, 2012, before me personally came **Scott William Dendy** 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)

Zheng, Haibiao
Haibiao Zheng

Date: 6/19/2012

United States of America

State of ALABAMA

County of MADISON

On this 19th day of JUNE, 20 12, before me personally came **Haibiao Zheng** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Gho'lean Black
Notary Public

August 11, 2012
My Commission Expires (Date)



Patrick Andrew Price

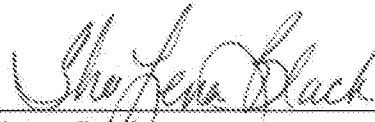
Date: June 22, 2012

United States of America

State of ALABAMA

County of MADISON

On this 22nd day of JUNE, 2012, before me personally came **Patrick Andrew Price** 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)