

1-31-92

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Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks, Pl.

s or copy thereof.



102229584

1. Name of conveying party(ies)

Thomas L. BALLARD, III

John B. WILKES, Jr.

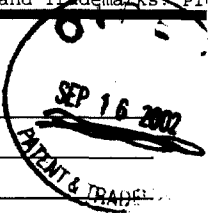
Kevin W. SCHNEIDER

2. Name and address of receiving party(ies):

Name: ADTRAN, INC.

Address: 901 Explorer Blvd.

Huntsville, AL 35814-4000



Additional name(s) of conveying party(ies) attached ()Yes (X)No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: October 1, 2001

Additional name(s) and address(s) attached? ()Yes (X)No

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:

A. Patent application No.(s)

B. Patent No.(s)

09/910,146

Additional numbers attached? ()Yes (X)No

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

Name: Charles E. Wands, Esq.

Internal Address: Allen, Dyer,

Doppelt, Milbrath & Gilchrist, P.A.

Street Address: 1901 s. Harbor City Blvd.

Suite 507

City: Melbourne

State: Florida Zip: 32901

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41).....\$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account.

8. Deposit Account Number:

01-0484

If any additional extension and/or fee is required, or, if any additional fee for claims is required.

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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.

Charles E. Wands
Name of Person Signing

Signature

September 11, 2002
Date

Total number of pages including cover sheet, attachments and document: [3]

A S S I G N M E N T

WHEREAS, **Thomas L. BALLARD, III** of Madison, Alabama, and **John B. WILKES, JR.** of Harvest, Alabama, and **Kevin W. SCHNEIDER** of Huntsville, Alabama; hereinafter referred to as **ASSIGNORS**, have made certain improvements or inventions in **METHOD OF INDUCING ADSL COMMUNICATION DEVICE TO TRANSMIT AT DOWNSTREAM SIGNALING RATE OPTIMIZED FOR EXTENDED RANGE ADSL SERVICE WITH AUXILIARY POTS CHANNEL OVER SDSL LINK**, for which **ASSIGNORS** have executed an application for United States Letters Patent filed on even date herewith in the United States Patent and Trademark Office; and

WHEREAS, **Adtran, Inc.**, a Delaware corporation, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said **ASSIGNORS** do hereby sell, assign and transfer to said **ASSIGNEE**, its successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said **ASSIGNORS** do hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

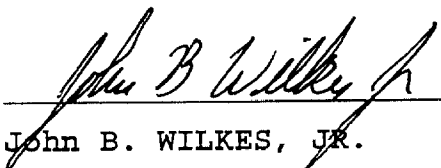
And said **ASSIGNORS** for said consideration hereby covenant and agree that said **ASSIGNORS** are the owners of the full title herein conveyed and have the right to convey the same, and

agree that said **ASSIGNORS** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNORS** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said **ASSIGNEE**, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

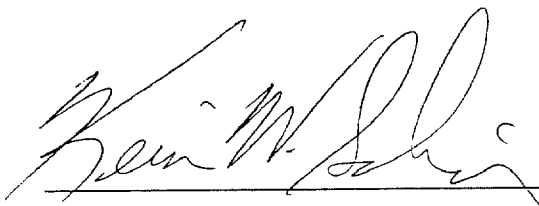
10/1/01
Date


Thomas L. BALLARD, III

10/1/01
Date


John B. WILKES, JR.

10/1/01
Date


Kevin W. SCHNEIDER