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SHEET

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1-31-92

Patent & Trademark Office

To the Honorable Commissioner of Patent

ed original documents or copy thereof.

101889807

1. Name of conveying party(ies):

Michael F. LAMY

Paul Graves MCELROY

Charles A. WILSON

Arthur Edward ALDRIDGE

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

Name: ADTRAN, INC.

Address: 901 Explorer Blvd.

P.O. Box 140000

Huntsville, AL 35814-4000

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

3. Nature of Conveyance:

(X) Assignment

() Merger

() Security Agreement

() Change of Name

() Other

Execution Date(s): 9/19/01; 9/4/01; 8/29/01

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 dates of the application are: 10/01/01, 10/03/01, 10/02/01, 10/03/01

A. Patent application No. (s)

B. Patent No. (s)

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, PA

Street Address: 5240 Babcock Street NE

Suite 211

City: Palm Bay

State: Florida Zip: 32905

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

October 16, 200

Date

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

PATENT

REEL: 012284 FRAME: 0544

A S S I G N M E N T

WHEREAS, **Michael F. LAMY** of Huntsville, Alabama, and **Paul Graves MCELROY** of Huntsville, Alabama, **Charles A. WILSON** of Huntsville, Alabama, and **Arthur Edward ALDRIDGE** of Harvest, Alabama; hereinafter referred to as **ASSIGNORS**, have made certain improvements or inventions in **CALL-ROUTING MECHANISM FOR AUTOMATICALLY PERFORMING NUMBER SUBSTITUTION IN AN INTEGRATED ACCESS DEVICE**, 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.

9/19/01
Date

Michael F. Lamy
Michael F. LAMY

9/19/2001
Date

Paul Graves MCELROY
Paul Graves MCELROY

9/4/01
Date

Charles A. Wilson
Charles A. WILSON

8/29/01
Date

Arthur Edward Aldridge
Arthur Edward ALDRIDGE