Docket No.: 850/35830 FORM PTQ-1595 (Modified) 05-02-2000 U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office OMB No. 06 '1-0011 (exp.4/94 Copyright 1996-97 Lega 101340490 To the Honorable Commissioner of Pater. attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): STEVEN M. ROBINSON JOHN S. MC GARY Name: ADTRAN, INC. RALPH R. BOUDREAUX, JR. Address: 901 EXPLORER BLVD. ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ✓ Assignment Merger City: HUNTSVILLE ____ State/Prov.: AL CJ Security Agreement ☐ Change of Name Country: US ZIP: 35806 Other Execution Date: 09 APRIL 2000 Additional name(s) & address(es) ☐ Yes Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: 09 APRIL 2000 Patent Application No. Filing date B. Patent No.(s) 91547837 ☐ Yes 🏿 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: LAW OFFICE OF CHARLES E. WANDS 7. Total fee (37 CFR 3.41):....\$ 40.00 25,649 Registration No Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: 5240 BABCOCK STREET NE, STE. 211 Authorized to be charged to deposit account to a definite to the term 8. Deposit account number: City: PALM BAY State/Prov.: FL 23-0385 ZIP: 32905 Country: US DO NOT USE THIS SPACE 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.

Signature

Total number of pages including cover sheet, attachments, and

CHARLES E. WANDS

Name of Persor Signing

REEL: 010739 FRAME: 0659

12 APRIL 2000

Date

ASSIGNMENT OF PATENT RIGHTS

(For United States and All Foreign Countries)

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as below named inventor(s), I/we hereby sell and assign to ADTRAN, INC. (hereinafter "ASSIGNEE") its successors and assigns or other legal representatives, all of my/our right, title and interest, in and for the United States of America, in and to said invention entitled: REDUNDANT OPERATION OF RING VOLTAGE **GENERATORS** UTILIZING VOLTAGE BUS SEGMENTATION FOR FAULT ISOLATION invented by me/us and described in this application for United States Letters Patent therefor, executed by me/us on even date herewith, and all United States Letters Patents which may be granted therefor, and all divisions, continuations, and extensions thereof, as well as any patents which may be applied for in any other countries the said interest being all of the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us if this assignment and sale had not been made.

And I/we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application and any corresponding foreign applications or international applications that may be filed, or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional renewal, revived or reissue applications or in any amendment extension or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE.

And I/we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said ASSIGNEE.

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I hereby certify that this document is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. Section 1.10 and addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date: 2 April 2000 By: O. Wills

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PATENT REEL: 010739 FRAME: 0661