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Form PTO-1595 (Rev. 03/01)

RE

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OMB No. 0651-0027 (exp. 5/31/2002)

102377556 PATENTS ONLY

Tab settings

PTO 10/368815 02/19/03

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Daniel M. Joffe

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

2. Name and address of receiving party(ies)

Name: Adtran, Inc.

Internal Address:

Street Address: 901 Explorer Boulevard

City: Huntsville State: AL Zip: 35806

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

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

Execution Date: 02/14/2003

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: 02/14/2003

A. Patent Application No.(s) 10368815

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Nancy R. Gamburd

Internal Address: Much Shelist

Street Address: 191 North Wacker Drive

Suite 1800

City: Chicago State: IL Zip: 60606-1615

6. Total number of applications and patents involved: 1

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

- Enclosed, Authorized to be charged to deposit account

8. Deposit account number:

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9. Signature.

Nancy R. Gamburd Name of Person Signing

Signature

February 19, 2003 Date

Total number of pages including cover sheet, attachments, and documents: 4 3 n j

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 013787 FRAME: 0136

ASSIGNMENT AND AGREEMENT

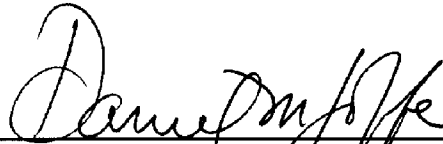
For value received, I, **Daniel M. Joffe** of the city of Owens Crossroads in the State of Alabama, hereby sell, assign and transfer to Adtran, Inc., a corporation of the State of Delaware, having an office at 901 Explorer Boulevard, Huntsville, Alabama, 35806, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **EFFICIENT, SWITCHED LINEAR SIGNAL DRIVER** described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Adtran, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Adtran, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent 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 Adtran, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Adtran, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Adtran, Inc. may designate.

I agree that, when requested, I shall, without charge to Adtran, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Daniel M. Joffe

Date: Feb 14, 2003

United States of America)

State of Alabama) ss.:

County of Madison)

On this 14th day of February, 2003, before me personally came **Daniel M. Joffe**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Adtran, Inc.
901 Explorer Blvd.
Huntsville, AL 35806

Adtran Assignment
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