

02-18-2000

FORM PTO-1595

(Rev. 6-93)

RE



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

101270579

Tab settings

To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Lester MINTZER

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

3. Nature of conveyance:

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

Execution Date: December 13, 1999

2. Name and address of receiving party(ies)

Name: Tollgrade Communications, Inc.

Internal Address: _____

Street Address: 103 Springer Building

3411 Silverside Road

City: Wilmington

State: DE ZIP: 19810

Additional name(s) & address(es) attached? Yes 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)

09/402,693

B. Patent No. (s)

Additional numbers attached? Yes No

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

Name: Richard L. Byrne

Internal Address: Webb Ziesenheim Logsdon

Orkin & Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA ZIP: 15219-1818

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:

(Attach triplicate copy of this page if paying by deposit account)

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.

Richard L. Byrne, Reg. No. 28,498

Name of Person Signing

Signature

January 18, 2000

Date

Total number of pages including cover sheet, attachments and document

3

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, U.S. Patent and Trademark Office
Office of Public Records, Crystal Gateway 4, Room 335
Washington, D.C. 20231

02/17/2000 DMGUYEN 00000232 09402693

01 FC:581

40.00 OP

PATENT
REEL: 010549 FRAME: 0441

ASSIGNMENT

WHEREAS, I, Lester MINTZER, residing in City of Santa Ana, County of Orange, State of California, together with Regis J. NERO, Jr., Louis W. HIENER, III, Richard A. BAIR, Jr., Frederick J. KIKO and Leo W. MANUEL, II as joint inventors, have invented certain new and useful improvements in "TELEPHONY TEST SYSTEM WITH ADJUSTABLE OUTPUT IMPEDANCE" for which a patent application was received in the United States Patent and Trademark Office on October 8, 1999 and bears Serial No. 09/402,693;

AND, WHEREAS TOLLGRADE COMMUNICATIONS, INC., a corporation of the State of Delaware, having a place of business at 103 Springer Building, 3411 Silverside Road, Wilmington, Delaware 19810, hereinafter called the "assignee", is desirous of acquiring my entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Assistant Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of an undivided fractional interest in the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce

full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED Dec 13, _____, 1999.

Lester Mintzer
Lester MINTZER

STATE OF CALIFORNIA :
: ss:
COUNTY OF ORANGE :

Before me, a Notary Public in and for the said County and State personally appeared Lester MINTZER, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 13th day of DEC, 1999.

[NOTARIAL SEAL]

JILA SANTABAL
Notary Public

