

01-27-2006



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Timothy J. Vitanza, Rebecca Webb Ross and Regis J. Nero, Jr.

2. Name and address of receiving party(ies)

Name: Tollgrade Communications, Inc.

Internal Address: 103 Springer Building

Street Address: 3411 Silverside Road

City: Wilmington

State: Delaware

Country: USA Zip: 19810

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

113010 U.S. PTO
11/334239

011806

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) January 18, 2006

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Joint Research Agreement
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
"APPARATUS AND METHOD FOR MEASURING
LOOP INSERTION LOSS SINGLE-ENDEDLY"

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: 700 Koppers Building
436 Seventh Avenue

City: Pittsburgh

State: PA Zip: 15219-1845

Phone Number: 412-471-8815

Fax Number: 412-471-4094

Email Address: webblaw@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit/Account Number _____
Authorized User Name **LMUELLER 80000058 11334239**

01/25/2006
01 FC:0021

48.00 OP

9. Signature:

Richard L. Byrne
Signature

January 18, 2006

Date

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

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

01-18-06

ASSIGNMENT

WHEREAS, Timothy J. Vitanza, Rebecca Webb Ross and Regis J. Nero, Jr., residing at:

Timothy J. Vitanza
1024 Sophia Lane
Mars, Pennsylvania 16046
County: Butler
Citizenship: USA

Rebecca Webb Ross
1503 State Route 56
Apollo, Pennsylvania 15613
County: Armstrong
Citizenship: USA

Regis J. Nero, Jr.
3303 Carriage Circle
Export, Pennsylvania 15632
County: Westmoreland
Citizenship: USA

have invented certain new and useful improvements entitled "APPARATUS AND METHOD FOR MEASURING LOOP INSERTION LOSS SINGLE-ENDEDLY" described and claimed in the United States Patent Application filed herewith and in United States Provisional Patent Application No. 60/644,734, filed January 18, 2005 (hereinafter "said applications");

AND, WHEREAS, TOLLGRADE COMMUNICATIONS, INC., a corporation 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 the entire right, title, and interest in and to said provisional patent application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, We do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said applications 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 non-provisional patent applications, 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 us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said applications and the inventions and improvements therein disclosed, 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 we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all non-provisional, 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 our 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.

Date 18 JAN 2006

Inventor Timothy J. Vitanz
TIMOTHY J. VITANZA

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF Allegheny)

ss:

On this, the 18th day of January, 2006, before me, the undersigned notary, personally appeared Timothy J. Vitanz, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notarial Seal
Constance J. Simelis, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Nov. 25, 2006
Member, Pennsylvania Association Of Notaries

[SEAL]

Constance J. Simelis
Notary Public

Date 18 JAN 2006

Inventor Rebecca Webb Ross
REBECCA WEBB ROSS

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF Allegheny)

ss:

On this, the 18th day of January, 2006, before me, the undersigned notary, personally appeared Rebecca Webb Ross, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notarial Seal
Constance J. Simelis, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Nov. 25, 2006
Member, Pennsylvania Association Of Notaries

[SEAL]

Constance J. Simelis
Notary Public

Date 18 JAN 2006

Inventor Regis J. Mero, Jr.
REGIS J. MERO, JR.

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF Allegheny)

ss:

On this, the 18th day of January, 2006, before me, the undersigned notary, personally appeared Regis J. Mero, Jr., known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notarial Seal
Constance J. Simelis, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Nov. 25, 2006
Member, Pennsylvania Association Of Notaries

[SEAL]

Constance J. Simelis
Notary Public

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