

7/14/05

07-19-2005

Form PTO-1595  
6-93



U.S. Department of Commerce  
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OMB No. 0651-0011 (exp. 4/94)

103043257

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

1. Name of conveying party(ies):

Walter Miller  
Gregory Massey  
Michael Gotwals

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

Name: Acterna

Street Address: 5808 Churchman Bypass

City: Indianapolis, IN 46203-6109

Country: United States of America

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

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

3. Nature of Conveyance:

- Assignment                      [ ] Merger
- Security Agreement            [ ] Change of Name
- Other \_\_\_\_\_

Execution Date(s): 06/24/05, 06/28/05 and 06/24/05

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) 11/114,522

B. Patent No(s)

Additional numbers attached? [ ] Yes [ X ] No

Title of Invention: Data Connection Quality Analysis Apparatus and Methods

Our Docket No.: 1504-0087

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

Name: David M. Lockman

Internal Address: Maginot, Moore & Beck

Street Address: 111 Monument Circle, Suite 3000

City: State: Zip: Indianapolis, IN 46204-5115

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: 13-0014

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

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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.

David M. Lockman

Name of Person Signing

Registration No. 34,214

Signature

July 12, 2005

Date

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

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

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07/18/2005 GTDN11 00000083 11114522

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(40.00 OP)

PATENT  
REEL: 016772 FRAME: 0779

## ASSIGNMENT

For good and valuable consideration, I, Walter Miller, a citizen of United States, residing at 4860 W. SR 144, Bargersville, IN 46106, United States, Gregory Massey, 5521 N. Red Oak Dr., Greenfield, IN 46140, and Michael Gotwals, 50 Tarry Court, Greenwood, IN 46142 hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **Acterna**, a corporation organized and existing under the laws of Delaware, having its principal place of business at 5808 Churchman Bypass, Indianapolis, Indiana 46203-6109, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on April 25, 2004 US. Serial No. 11/114,522,

entitled: Data Connection Quality Analysis Apparatus and Methods

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: \_\_\_\_\_

NAME: Walter Miller

DATE: \_\_\_\_\_

SIGNATURE: Gregory W. Massey DATE: 6/28/2005  
NAME: Gregory Massey

SIGNATURE: Michael D. Gotwals DATE: 6/24/2005  
NAME: Michael Gotwals