

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael D. Gotwals</td> <td>06/07/2007</td> </tr> <tr> <td>Robert J. Flask</td> <td>06/07/2007</td> </tr> <tr> <td>Walter Miller</td> <td>06/12/2007</td> </tr> </tbody> </table>		Name	Execution Date	Michael D. Gotwals	06/07/2007	Robert J. Flask	06/07/2007	Walter Miller	06/12/2007
Name	Execution Date								
Michael D. Gotwals	06/07/2007								
Robert J. Flask	06/07/2007								
Walter Miller	06/12/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Acterna LLC								
<b>Street Address:</b>	One Milestone Center Court								
<b>City:</b>	Germantown								
<b>State/Country:</b>	MARYLAND								
<b>Postal Code:</b>	20876								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11762199</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11762199				
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Application Number:	11762199								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(321)984-7078								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	3217254760								
<b>Email:</b>	cewands@addmg.com								
<b>Correspondent Name:</b>	Charles E. Wands								
<b>Address Line 1:</b>	1901 S. Harbor City Blvd.								
<b>Address Line 2:</b>	Ste. 507								
<b>Address Line 4:</b>	Melbourne, FLORIDA 32901								
<b>ATTORNEY DOCKET NUMBER:</b>	78561 (36-164 US)								
<b>NAME OF SUBMITTER:</b>	David L. Stewart								

**CH \$40.00 11762199**

Total Attachments: 3  
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ASSIGNMENT OF INVENTION  
UNIVERSAL

WHEREAS, I/we **Michael D. GOTWALS; Robert J. FLASK, and Walter MILLER**, whose full post office address(es) is/are **467 White Oak Lane, Greenwood, Indiana 46142, USA; 2601 S. Parkview Drive, New Palestine, Indiana 462163, USA; and 4860 W. SR 144, Bargersville, Indiana 46106, USA, respectively**, have made an invention as described in the patent application entitled

**NETWORK DEVICE DETECTION USING FREQUENCY DOMAIN  
REFLECTOMETER**

filed herewith.

I/we hereby authorize my/our attorney to insert here in parentheses (Application Number \_\_\_\_\_, filed \_\_\_\_\_), the filing date and application number of said application, when known.

WHEREAS, **Acterna LLC**, (hereinafter referred to as the assignee), whose full post office address is **One Milestone Center Court, Germantown, MD, 20876, U.S.A.** is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assignees, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or

extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed this 7 day of June, 2007.

at JDSU INDIANAPOLIS  
(place)

  
Michael D. GOTWALS

**Declaration by Witness**

I, ROBERT J. FLASK, whose full post office address is  
2601 S. PARKVIEW DR., NEW PRAESTINE IN 46163 say:

That I was personally present and did see **Michael D. GOTWALS**, who is personally known to me, duly sign and execute the above Assignment.

  
Signature of Witness

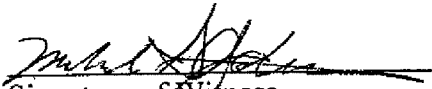
Executed this 7<sup>TH</sup> day of JUNE, 2007.  
at JDSU INDIANAPOLIS  
(place)

  
\_\_\_\_\_  
Robert J. FLASK

**Declaration by Witness**

I, MICHAEL GOTWALS, whose full post office address is  
467 WHITE OAK LN, GREENWOOD IN 46142 say:

That I was personally present and did see Robert J. FLASK, who is personally known to me, duly sign and execute the above Assignment.

  
\_\_\_\_\_  
Signature of Witness

Executed this 12 day of JUL, 2007.  
at JDSU INDIANAPOLIS  
(place)

  
\_\_\_\_\_  
Walter MILLER

**Declaration by Witness**

I, ROBERT FLASK, whose full post office address is  
2601 S. PARKVIEW DR., NEW PALESTINE IN 46163 say:

That I was personally present and did see Walter MILLER, who is personally known to me, duly sign and execute the above Assignment.

  
\_\_\_\_\_  
Signature of Witness