

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT4975995

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID E. WHITEHEAD	12/07/2004
ALLEN D. RISLEY	12/07/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SCHWEITZER ENGINEERING LABORATORIES, INC.
<b>Street Address:</b>	2350 NE HOPKINS COURT
<b>City:</b>	PULLMAN
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	99163
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7680273
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)336-7920
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	5093321890
<b>Email:</b>	ipmail@selinc.com
<b>Correspondent Name:</b>	SCHWEITZER ENGINEERING LABORATORIES, INC.
<b>Address Line 1:</b>	2350 NE HOPKINS COURT
<b>Address Line 2:</b>	LAW DEPT.
<b>Address Line 4:</b>	PULLMAN, WASHINGTON 99163
<b>ATTORNEY DOCKET NUMBER:</b>	04-051
<b>NAME OF SUBMITTER:</b>	RICHARD EDGE
<b>SIGNATURE:</b>	/Richard Edge/
<b>DATE SIGNED:</b>	05/24/2018
<b>Total Attachments: 3</b>	
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U.S. NATIONAL / INTERNATIONAL PCT APPLICATION  
ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 1444-0119  
Client Reference No.: #227

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged,

Name(s) of Inventor(s); Conveying Party(ies):

David E. Whitehead, 2145 NW Robert Street, Pullman, WA 99163

Allen D. Risley, 1615 NW Bella Vista Drive, Pullman, WA 99163

maker(s) of an invention which is the subject of:

(Check applicable boxes and enter serial number and date if available)

a  United States National Application under 35 U.S.C. 111 *et seq.* and/or

a  PCT International Application, identified by Application No. \_\_\_\_\_, and filed on \_\_\_\_\_, entitled:

SYSTEM AND METHOD FOR OPTIMIZING ERROR DETECTION TO DETECT UNAUTHORIZED  
MODIFICATION OF TRANSMITTED DATA (hereinafter "the Application(s)")

Cook, Alex, McFarron, Manzo, Cummings & Mehler, Ltd.; 200 West Adams Street, Suite 2850; Chicago, Illinois 60606 is authorized to insert in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_), the filing date and application number of said application when known.

The undersigned hereby sell(s), assign(s), and set(s) over to Schweitzer Engineering Laboratories, Inc., a corporation of Washington (hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s) throughout the world, including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and

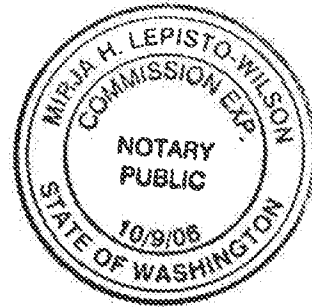
claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

IN WITNESS WHEREOF, I have executed this assignment this 7 day of December, 2004.

David E. Whitehead  
Inventor's Signature

David E. Whitehead  
Printed Name



ACKNOWLEDGMENT

STATE OF WASHINGTON     )  
  )     SS:  
COUNTY OF WHITMAN     )

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 7 day of December, 2004.

Mirja H. Lepisto-Wilson  
Notary Public

Mirja H. Lepisto-Wilson  
Printed Name

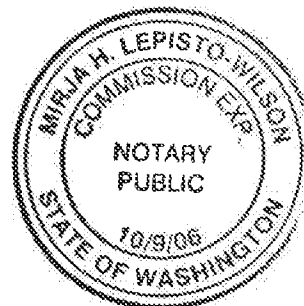
My Commission Expires: 10/09/06     Resident of Whitman County

\* \* \*

IN WITNESS WHEREOF, I have executed this assignment this 7 day of Dec., 2004.

Allen D. Risle  
Inventor's Signature

Allen D. Risle  
Printed Name



ACKNOWLEDGMENT

STATE OF WASHINGTON

SS:

COUNTY OF WHITMAN

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 7 day of December, 2004.

Mirja H. Lepisto-Wilson  
Notary Public

Mirja H. Lepisto-Wilson  
Printed Name

My Commission Expires: 10/09/06 Resident of Whitman County