504633315 11/08/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4680033

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDMUND O. SCHWEITZER III	11/03/2017
ARMANDO GUZMAN-CASILLAS	11/01/2017
BOGDAN Z. KASZTENNY	11/03/2017
YAJIAN TONG	11/01/2017
MANGAPATHIRAO VENKATA MYNAM	11/01/2017

RECEIVING PARTY DATA

Name:	SCHWEITZER ENGINEERING LABORATORIES, INC.
Street Address:	2350 NE HOPKINS COURT
City:	PULLMAN
State/Country:	WASHINGTON
Postal Code:	99163

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15806959		

CORRESPONDENCE DATA

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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.

Phone: 509-332-1890 Email: IPMail@selinc.com

Correspondent Name: SCHWEITZER ENGINEERING LABORATORIES, INC

Address Line 1: 2350 NE HOPKINS COURT

Address Line 4: PULLMAN, WASHINGTON 99163-5603

ATTORNEY DOCKET NUMBER:	16-052
NAME OF SUBMITTER:	RICHARD EDGE
SIGNATURE:	/Richard Edge/
DATE SIGNED:	11/08/2017

Total Attachments: 5

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PATENT REEL: 044074 FRAME: 0065

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PATENT REEL: 044074 FRAME: 0066

Attorney Docket No.: 16-052

U.S. NATIONAL / INTERNATIONAL PCT APPLICATION ASSIGNMENT TO BUSINESS CONCERN

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, Name(s) of Inventor(s); Conveying Party(ies):

Edmund O. Schweitzer, III. 330 NW Brandon Drive, Pullman, Washington 99163, USA
Armando Guzman-Casillas, 305 SW Prairie Court, Pullman, Washington 99163, USA
Bogdan Z. Kasztenny, 26 Sir Galahad Place, Markham, Ontario 1.3P 2H6, Canada
Yajian Tong, 1455 NE Brandi Way, Apt FF303, Pullman, Washington 99163, USA
Mangapathirao Venkata Mynam, 1400 Lehman Court, Pullman, Washington 99163, USA

Mangapathirao Venkata Mynam, 1400 Lehman Court, Pullman, Washington 99163, USA
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 <i>et seq.</i> and/or a ☐ PCT International Application, identified by Application No, and filed on, entitled
TRAVELING WAVE BASED SINGLE END FAULT LOCATION
(hereinafter "the Application(s)")
Schweitzer Engineering Laboratories, Inc., 2350 NE Hopkins Court, Pullman, WA 99163 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, all divisions, continuations and continuations-in-part of the Application, or reissues or extensions claiming priority to the Application, 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.

Attorney Docket No.: 16-052 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. have executed this assignment this day of Nov 2017. Edmund O. Schweitzer, III 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

Notary Public

AMberty M. Bank

Printed Name

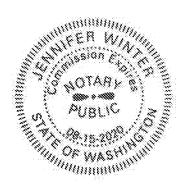
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AUBLIC WASHING

,				Attorney Docket No.: 16-052
IN WITNESS W	HEREOF, I have es	ecuted this assign	ment this <u>188</u> day	of <u>NOMEN DCF</u> 2017.
Armando (Mizma	n-Casillas *			
		ACKNO	WLEDGMENT	
STATE OF	Washington)			
COUNTY OF	Whitman)	SS		
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Printed Name	173 82,11	3 /		
	Expires: <u>8/15</u> ,	/ <u>2020</u> Residen	tor <u>Latan</u>	State



	y Docket No.: 1	
I have executed this assignment this 3 day of 401 . 2017.		,,,,,,,,,,,,,,
at any and any		
Bosselant Z. Kasztenny		

			***************************************	ocket No.: 16-052
IN WITNESS WHERE	OF, I have executed this as	ssignment this 1991	day of <u>NOVEMbe</u> 1	<u>r., 2017</u> .
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Yajian Tong				
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STATE OF Wa	shington}			
COUNTY OF	} SS: Whitman}			
	wannaar ne, a Notary Public, within	and for said County n	nd State Witness was he	and Material
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IN WITNESS WHERE	OF, I have executed this as	ssignment this 158	day of <u>NIUMAN be</u>	<u>E. 2017</u> .
No. Kylyh				
Mangapathirao Venkata	Mynam			
1	A C W	NOWLEDGMENT		
STATE OF Wa	shington}	WINDS OF BESTSEE PERSONS OF THE		
	}			
	Whitman]			
Acknowledged before n Seal this day	ne, a Notary Public, within y of NOUEMBER	and for said County a	nd State. Witness my ha	nd and Notarial
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Netary Public	<u>, WWW</u>			
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