

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5440181

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SHARON SJOSTROM	03/20/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ADA-ES, INC.	
<b>Street Address:</b>	640 PLAZA DRIVE	
<b>Internal Address:</b>	SUITE 270	
<b>City:</b>	HIGHLANDS RANCH	
<b>State/Country:</b>	COLORADO	
<b>Postal Code:</b>	80129	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15262933
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(303)863-0223	
<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>	3038639700	
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<b>Correspondent Name:</b>	SHERIDAN ROSS P.C.	
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<b>Address Line 4:</b>	DENVER, COLORADO 80202	
<b>ATTORNEY DOCKET NUMBER:</b>	3791-131 DWS	
<b>NAME OF SUBMITTER:</b>	DOUGLAS W. SWARTZ	
<b>SIGNATURE:</b>	/Douglas W. Swartz/	
<b>DATE SIGNED:</b>	03/26/2019	
<b>Total Attachments: 2</b>		
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source=20190326_ExecutedAssignment_3791-131#page2.tif		

**Worldwide Assignment**

WHEREAS, I Sharon Sjostrom, have made an invention entitled "METHOD AND SYSTEM TO IDENTIFY COAL CHARACTERISTICS AT THE MINE" for which I have filed an application for Letters Patent of the United States on September 12, 2016, under Application No. 15/262,933 and

WHEREAS, ADA-ES, Inc. ("ASSIGNEE"), a corporation or other business entity duly registered in the State/Country of Colorado, whose postal address 640 Plaza Drive, Suite 270, Highlands Ranch, CO 80129, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold, assigned, transferred, and conveyed, and do hereby sell, assign, transfer, and convey unto ASSIGNEE, its successors, legal representatives, and assigns: (a), the entire right, title, and interest in and to the inventions covered by the application, the application, all applications claiming benefit of the application, including, but not limited to, all provisionals, divisions and continuations of the application, and all patents that may be granted thereon in and throughout the United States and in all foreign countries, including without limitation utility models, design patents, certificates of invention and equivalent rights worldwide, and all reissues and reexaminations thereof; (b) all rights arising under or pursuant to any and all international agreements, treaties or laws, including the right to file applications for patents, design patents, utility models, certificates of invention or other governmental grants and equivalent rights worldwide, and to claim the same priority rights, under the patent laws of the United States, the applicable laws of the country in which any such application is filed, the International Convention for the Protection of Industrial Property and any other international union, convention, agreement and treaty; (c) all rights in and to causes of action and enforcement rights for the inventions and any resulting patents, including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the inventions and resulting patents, and to hold for ASSIGNEE'S sole use and benefit all recoveries, rights, and benefits arising from all such suits;

AND I authorize and request the Director of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or forms of industrial property to issue the same for the inventions to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I covenant and agree that I have the full right to convey the entire right, title, and interest herein assigned and that I have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and assigns, and without further consideration, I (or my executors or administrators) will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce patent protection for the inventions in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and assigns any facts known to me regarding the inventions, testify in any legal proceeding, sign all lawful papers, make all rightful oaths, and execute and deliver all papers that may be necessary or desirable to record and perfect the interest and title to the inventions in ASSIGNEE, its successors, legal representatives, and assigns, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and assigns;

AND I further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and Filing Date into this Assignment, if none is indicated on the date of my execution of this agreement.

IN WITNESS WHEREOF, I have executed this Assignment on the date(s) indicated below.

Signature: Sharon Sjostrom

Date: 3/20/19

Full Name: Sharon Sjostrom

Address: 5116 S. Perry Park Rd.

Sedalia, CO 80135

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Full Name: \_\_\_\_\_

Address: \_\_\_\_\_

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