

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4500749

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	PATENT SECURITY AGREEMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CONTURA COAL WEST, LLC	03/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JEFFERIES FINANCE LLC, AS COLLATERAL AGENT
<b>Street Address:</b>	520 MADISON AVENUE
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10022
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6086647
<b>Patent Number:</b>	6132497
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(714)755-8290
<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>Email:</b>	IPDOCKET@LW.COM, KRISTIN.AZCONA@LW.COM
<b>Correspondent Name:</b>	LATHAM & WATKINS LLP
<b>Address Line 1:</b>	650 TOWN CENTER DRIVE, 20TH FLOOR
<b>Address Line 4:</b>	COSTA MESA, CALIFORNIA 92626
<b>ATTORNEY DOCKET NUMBER:</b>	038507-0583
<b>NAME OF SUBMITTER:</b>	KRISTIN J AZCONA
<b>SIGNATURE:</b>	/KJA/
<b>DATE SIGNED:</b>	07/12/2017
<b>Total Attachments: 5</b>	
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## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT, dated as of March 17, 2017 (this “Agreement”), is made by Contura Coal West, LLC, a Delaware limited liability company (the “Grantor”) in favor of Jefferies Finance LLC, as Collateral Agent for the Secured Parties (in such capacity, the “Collateral Agent”).

WHEREAS, Contura Energy, Inc. (the “Borrower”) has entered into that certain Credit Agreement dated as of March 17, 2017, among the Borrower, the lenders from time to time party thereto (the “Lenders”) and Jefferies Finance LLC, as administrative agent (the “Administrative Agent”) (as may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”);

WHEREAS, in order to induce the Administrative Agent to enter into the Credit Agreement, the Grantor entered into a Pledge and Security Agreement dated as of March 17, 2017 (as amended, restated, supplemented or otherwise modified from time to time, the “Pledge and Security Agreement”) among the Borrower, each other grantor party thereto, the Collateral Agent and the other parties party thereto, pursuant to which the Grantor assigned, transferred and granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in the Patent Collateral (as defined below);

WHEREAS, pursuant to the Pledge and Security Agreement, the Grantor agreed to execute this Agreement, in order to record the security interest granted to the Collateral Agent for the benefit of the Secured Parties with the United States Patent and Trademark Office.

NOW, THEREFORE, in consideration of the foregoing and the agreements herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor hereby agrees with the Collateral Agent, for the benefit of the Secured Parties, as follows:

#### SECTION 1. Defined Terms

Capitalized terms used but not defined herein shall have the respective meanings given thereto in the Pledge and Security Agreement, and if not defined therein, shall have the respective meanings given thereto in the Credit Agreement.

#### SECTION 2. Grant of Security Interest in Patent Collateral

SECTION 2.1 Grant of Security. The Grantor hereby assigns and transfers to the Collateral Agent, and hereby grants to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, all of the following property, in each case, wherever located and now owned or at any time hereafter acquired by the Grantor or in which the Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the “Patent Collateral”) as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Secured Obligations:

all patentable inventions and designs, letters patent, certificates of invention and similar industrial property rights and all reissues and extensions thereof, and with respect to any and all of the foregoing, including without limitation: (i) each patent and patent application listed in Schedule A attached hereto, (ii) all applications, divisions, continuations, continuations-in-part, reissues, extensions and re-examinations thereof, (iii) all rights to sue or otherwise recover for any past, present and future infringement or other violation thereof, (iv) all Proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages and

proceeds of suit now or hereafter due and/or payable with respect thereto, and (v) all other rights of any kind accruing thereunder or pertaining thereto throughout the world.

### SECTION 3. Security Agreement

The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Collateral Agent for the Secured Parties pursuant to the Pledge and Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Pledge and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the Pledge and Security Agreement, the provisions of the Pledge and Security Agreement shall control.

### SECTION 4. Governing Law

THIS AGREEMENT AND ANY DISPUTE, CLAIM OR CONTROVERSY ARISING OUT OF OR RELATING TO THIS AGREEMENT (WHETHER ARISING IN CONTRACT, TORT OR OTHERWISE) SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK WITHOUT REGARD TO CONFLICTS OF LAW RULES THAT WOULD RESULT IN THE APPLICATION OF A DIFFERENT GOVERNING LAW (OTHER THAN ANY MANDATORY PROVISIONS OF THE UCC RELATING TO THE LAW GOVERNING PERFECTION AND THE EFFECT OF PERFECTION OR PRIORITY OF THE SECURITY INTERESTS).

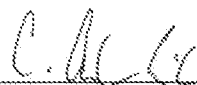
### SECTION 5. Counterparts

This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

**CONTURA COAL WEST, LLC,**  
as Grantor

By:   
Name: C. Andrew Eidson  
Title: Vice President and Treasurer

Accepted and Agreed:

**JEFFERIES FINANCE LLC,**  
as Collateral Agent

By:   
Name: JOHN KOEHLER  
Title: SENIOR VICE PRESIDENT

**SCHEDULE A**  
**to**  
**PATENT SECURITY AGREEMENT**

**U.S. Patents/Patent Applications**

<b><u>Title</u></b>	<b><u>Country</u></b>	<b><u>Status</u></b>	<b><u>App. No.</u></b>	<b><u>Filing Date</u></b>	<b><u>Patent No.</u></b>	<b><u>Issue Date</u></b>	<b><u>Owner</u></b>
MOLASSES/OIL COAL TREATMENT FLUID AND METHOD	USA	Active	08/235,542	04/29/1994	6,086,647	7/11/2000	Contura Coal West, LLC
DUST SUPPRESSION SYSTEM	USA	Active	09/208,532	12/09/1998	6,132,497	10/17/2000	Contura Coal West, LLC