

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4337559

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PETER D. MILLER	03/27/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ATLAS COPCO DRILLING SOLUTIONS, LLC	
<b>Street Address:</b>	2100 NORTH FIRST STREET	
<b>City:</b>	GARLAND	
<b>State/Country:</b>	TEXAS	
<b>Postal Code:</b>	75040	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15465798
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(972)419-8329	
<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>	972-419-8378	
<b>Email:</b>	jathomas@gpm-law.com	
<b>Correspondent Name:</b>	JOHN A. THOMAS	
<b>Address Line 1:</b>	14801 QUORUM DRIVE	
<b>Address Line 2:</b>	SUITE 500	
<b>Address Line 4:</b>	DALLAS, TEXAS 75254	
<b>ATTORNEY DOCKET NUMBER:</b>	01793.250	
<b>NAME OF SUBMITTER:</b>	JOHN A. THOMAS	
<b>SIGNATURE:</b>	/John A. Thomas/	
<b>DATE SIGNED:</b>	03/27/2017	
<b>Total Attachments: 2</b>		
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**ASSIGNMENT  
OF  
PATENT APPLICATION**

I, Peter D. Miller, have invented certain new and useful improvements disclosed in an application for United States Letters Patent titled "System And Method For Controlling A Drilling Machine"; and further identified by serial number 15/465,798 and filing date March 22, 2017.

Atlas Copco Drilling Solutions, LLC, a Delaware limited-liability company ("Assignee"), whose address is 2100 North First Street, Garland, Texas 75040, wants to acquire the entire right, title and interest in and to the improvements and application.

For a good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign, and transfer to Assignee the entire right, title and interest in and to the improvements and the application and all patent applications claiming the priority thereof, and divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon or derive therefrom, and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes for every member country; including, without limiting the generality of the foregoing, priority from United States provisional patent application, ser. no. 62/430568, filed December 6, 2016, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for the improvements in any foreign countries, and all patents (including all extensions, renewals and reissues thereof) granted for the improvements in any foreign countries; and I hereby authorize and request the United States Director of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as stated, to issue all patents for the improvements to Assignee in accordance with the terms of this assignment.

I covenant that I have the full right to convey the entire interest assigned, and that I have not executed, and will not execute, any agreement in conflict with this assignment.

I further covenant and agree that I will communicate to Assignee any facts known to me respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all regular, divisional, continuation, continuation-in-part, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for the improvements in all countries.

This assignment is cumulative of my previous assignment to Assignee of United States provisional application, ser. no. 62/430568, filed December 6, 2016.

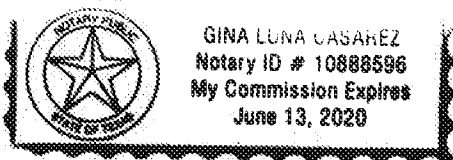
SIGNED this the 27<sup>th</sup> day of March, 2017.

*Peter D. Miller*  
Peter D. Miller

STATE OF TEXAS       §  
COUNTY OF DALLAS   §

This instrument was acknowledged before me on the 27<sup>th</sup> day of March \_\_\_\_\_, 2017  
by Peter D. Miller.

*[Signature]*  
NOTARY PUBLIC, STATE OF TEXAS



Atlas Copco Drilling Solutions, LLC

By *Ajay Kumar*  
Name: AJAY KUMAR  
Title: V.P. ENGINEERING

STATE OF TEXAS       §  
COUNTY OF DALLAS   §

This instrument was acknowledged before me on March 27, 2017, by  
Ajay Kumar, V.P. Engineering of Atlas Copco Drilling  
Solutions, LLC a Delaware limited-liability company, on behalf of said company.

*[Signature]*  
NOTARY PUBLIC, STATE OF TEXAS

