

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HONGLING MA	07/04/2018
XILIN SHI	07/04/2018
YUHAO ZHANG	07/04/2018
YINTONG GUO	07/04/2018
CHUNHE YANG	07/04/2018
YINPING LI	07/04/2018
TONGTAO WANG	07/04/2018
YUE HAN	07/04/2018
HONGWU YIN	07/04/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INSTITUTE OF ROCK AND SOIL MECHANICS, CHINESE ACADEMY OF SCIENCES
<b>Street Address:</b>	XIAOHONGSHAN, WUCHANG
<b>City:</b>	WUHAN
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	430071
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16028584
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	34672_0046
<b>NAME OF SUBMITTER:</b>	MICHELLE C. DUNN

<b>SIGNATURE:</b>	/Michelle C. Dunn/
<b>DATE SIGNED:</b>	07/06/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=6_34672_0046_Assginment_signed_20180704#page1.tif source=6_34672_0046_Assginment_signed_20180704#page2.tif source=6_34672_0046_Assginment_signed_20180704#page3.tif	

**ASSIGNMENT**  
(Joint)

THIS ASSIGNMENT, by Hongling MA; Xilin SHI; Yuhao ZHANG; Yintong GUO; Chunhe YANG; Yinning LI; Tongtao WANG; Yue HAN; Hongwu YIN (hereinafter referred to collectively as the "Assignors"), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in: DEVICE, SYSTEM AND METHOD FOR TRIAXIAL COMPRESSION TEST WITH/WITHOUT JACKET BY GAS CONFINING PRESSURE ON ROCK, set forth in an application for Letters Patent of the United States filed herewith.

WHEREAS, INSTITUTE OF ROCK AND SOIL MECHANICS, CHINESE ACADEMY OF SCIENCES, a corporation having a principal place of business at Xiaohongshan, Wuchang, Wuhan, Hubei 430071, China (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, Assignor's interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made; and

FOR THE SAME CONSIDERATION, said Assignors hereby covenant and agree to and with said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors are the lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.; and

FOR THE SAME CONSIDERATION, said Assignors hereby covenant and agree to and with said Assignee, its successors, legal representatives and assigns, that said Assignors will, whenever counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, Assignors have thus set their hands on the date below written.

Date: 4. July, 2018

Signature: Hongling Ma  
Hongling MA

Date: 6. July, 2018

Signature: Xilin Shi  
Xilin SHI

Date: 4. July 2018 Signature: Yuhao Zhang 章雨豪  
Yuhao ZHANG

Date: 4. July, 2018 Signature: Yintong Guo 郭印同  
Yintong GUO

Date: 4. July, 2018 Signature: Chunhe Yang 杨春和  
Chunhe YANG

Date: 4. July, 2018 Signature: Li Yinying 李颖颖  
Yinping LI

Date: 4. July 2018 Signature: Tongtao Wang 王涛  
Tongtao WANG

Date: 4. July, 2018 Signature: Yue HAN 韩月  
Yue HAN

Date: 4. July 2018 Signature: Hongwu Yin 尹洪武  
Hongwu YIN