

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5020603

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	XIATING FENG	04/27/2018
	ZHENWEI LI	04/27/2018
	XIWEI ZHANG	04/27/2018
	JUN TIAN	04/27/2018
	CHENGXIANG YANG	04/27/2018
	ZHIBIN YAO	04/27/2018
	QIANG WANG	04/27/2018
	YANHUA GONG	04/27/2018
RECEIVING PARTY DATA		
Name:	NORTHEASTERN UNIVERSITY	
Street Address:	NO.11, LANE3, WENHUA ROAD, HEPING DISTRICT SHENYANG CITY	
City:	LIAONING PROVINCE	
State/Country:	CHINA	
Postal Code:	110819	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16061799
CORRESPONDENCE DATA		
Fax Number:	(703)621-7155	
<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>		
Phone:	7036217140	
Email:	mailroom@mg-ip.com, cds@mg-ip.com	
Correspondent Name:	MUNCY, GEISSLER, OLDS & LOWE, PC	
Address Line 1:	4000 LEGATO RD., SUITE 310	
Address Line 4:	FAIRFAX, VIRGINIA 22033	
ATTORNEY DOCKET NUMBER:	2846/1626PUS1	
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY	
SIGNATURE:	/Joe McKinney Muncy/	

DATE SIGNED:	06/22/2018
Total Attachments: 3 source=2018-06-22-AssignmentAsFiled#page1.tif source=2018-06-22-AssignmentAsFiled#page2.tif source=2018-06-22-AssignmentAsFiled#page3.tif	

ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION

WHEREAS, I am the original, first and sole inventor and I own (if only one name is listed below) or an original, first and joint inventor and the joint inventors own (if plural names are listed below) (referred to as "ASSIGNOR" below) the subject matter which is claimed and for which a patent is sought on the invention (referred to as the "INVENTION" below) entitled:

Title: **Large-Scale Three-Dimensional Physical Model Test System and Method for Deep Cavern Group**

the specification of which (check one):

☐	is executed on even date herewith.		
☐	was filed on (day-month-year)		as U.S. Application Number
☒	was filed on (day-month-year)	12-2-2018	as PCT Application Number PCT/CN2018/076379
☐	was executed on the following date(s)		

WHEREAS, **Northeastern University**

having a postal address of **No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China**

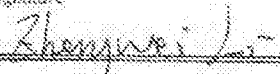
(referred to as "ASSIGNEE" below) desires to acquire the entire right, title and interest in and to the same in the U.S.;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and benefit, and for the use and benefit of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Full Name of First or Sole Inventor FENG, XIATING	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

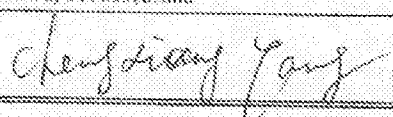
Full Name of Second Inventor LI, ZHENGWEI	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

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Full Name of Third Inventor ZHANG, XIWEI	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

Full Name of Fourth Inventor TIAN, JUN	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

Full Name of Fifth Inventor YANG, CHENGXIANG	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

Full Name of Sixth Inventor YAO, ZHIBIN	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature 

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Full Name of Seventh Inventor WANG, QIANG	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature <i>Wang Qiang</i>

Full Name of Eighth Inventor GONG, YANHUA	Post Office Address No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, China
Date April 27, 2018	Signature <i>Gong Yanhua</i>

Full Name of Ninth Inventor	Post Office Address
Citizenship	Residence (city, and either state or foreign country, MPEP §605.02)
Date	Signature