

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4597310

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIA TING FENG	09/05/2017
XI WEI ZHANG	09/05/2017
RUI KONG	09/05/2017
CHENG XIANG YANG	09/05/2017
DONG HUI MA	09/05/2017
SHUAI PENG	09/05/2017
LEI SHI	09/05/2017
ZHI BIN YAO	09/05/2017
JUN TIAN	09/05/2017
RECEIVING PARTY DATA	
Name:	NORTHEASTERN UNIVERSITY
Street Address:	NO.11, LANE 3, WENHUA ROAD, HEPING DISTRICT
City:	SHENYANG CITY, LIAONING PROVINCE
State/Country:	CHINA
Postal Code:	110819
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15558958
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:	703-621-7140
Email:	MAILROOM@MG-IP.COM,asc@mg-ip.com
Correspondent Name:	MUNCY, GEISSLER, OLDS & LOWE, P.C.
Address Line 1:	4000 LEGATO ROAD
Address Line 2:	SUITE 310
Address Line 4:	FAIRFAX, VIRGINIA 22033
ATTORNEY DOCKET NUMBER:	2846/1577PUS1
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY

PATENT

SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	09/15/2017
Total Attachments: 3 source=2017-09-15-Assignment#page1.tif source=2017-09-15-Assignment#page2.tif source=2017-09-15-Assignment#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: **LOW-FREQUENCY DISTURBANCE AND HIGH-SPEED IMPACT TYPE HIGH-PRESSURE TRUE TRIAXIAL TEST APPARATUS AND METHOD**

the specification of which (check one):

<input type="checkbox"/>	is executed on even date herewith.		
<input type="checkbox"/>	was filed on (day-month-year)		as U.S. Application Number
<input checked="" type="checkbox"/>	was filed on (day-month-year)	28-3-2017	as PCT Application Number PCT/CN2017/078368
<input type="checkbox"/>	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 behoof; and for the use and behoof 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, Xia ting	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 September 5, 2017	Signature <i>Xia ting Feng</i>

Full Name of Second Inventor ZHANG, Xi wei	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 September 5, 2017	Signature <i>Xiwei Zhang</i>

Supplemental Assignment -- Page 2

Full Name of Third Inventor KONG, Rui	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 September 5, 2017	Signature <i>Rui Kong</i>

Full Name of Fourth Inventor YANG, Cheng xiang	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 September 5, 2017	Signature <i>Cheng xiang Yang</i>

Full Name of Fifth Inventor Ma, Dong hui	Post Office Address No.1999, Yangzhou Street, Economic and Technological Development District , Changchun, Jilin Province, China
Citizenship Chinese	Residence (city, and either state or foreign country, MPEP §605.02) No.1999, Yangzhou Street, Economic and Technological Development District , Changchun, Jilin Province, China
Date September 5, 2017	Signature <i>Donghui Ma</i>

Full Name of Sixth Inventor PENG, Shuai	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 September 5, 2017	Signature <i>Shuai Peng</i>

Supplemental Assignment -- Page 3

Full Name of Seventh Inventor SHI, Lei	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 September 5, 2017	Signature <i>Lei SHI</i>

Full Name of Eighth Inventor YAO, Zhi bin	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 September 5, 2017	Signature <i>Zhibin Yao</i>

Full Name of Ninth 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 September 5, 2017	Signature <i>Jun Tian</i>