

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YINGJI WANG</td> <td>11/19/2013</td> </tr> <tr> <td>JUN LIN</td> <td>11/19/2013</td> </tr> <tr> <td>SHUQIN SUN</td> <td>11/19/2013</td> </tr> <tr> <td>CHUANDONG JIANG</td> <td>11/19/2013</td> </tr> <tr> <td>JIANPENG WANG</td> <td>11/19/2013</td> </tr> <tr> <td>BO PANG</td> <td>11/19/2013</td> </tr> <tr> <td>ZHE ZHANG</td> <td>11/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	YINGJI WANG	11/19/2013	JUN LIN	11/19/2013	SHUQIN SUN	11/19/2013	CHUANDONG JIANG	11/19/2013	JIANPENG WANG	11/19/2013	BO PANG	11/19/2013	ZHE ZHANG	11/19/2013
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<table border="1"> <tr> <td>Name:</td> <td>JILIN UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>NO. 2699, QIANJIN AVENUE</td> </tr> <tr> <td>Internal Address:</td> <td>CHANGCHUN</td> </tr> <tr> <td>City:</td> <td>JILIN</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>130012</td> </tr> </table>		Name:	JILIN UNIVERSITY	Street Address:	NO. 2699, QIANJIN AVENUE	Internal Address:	CHANGCHUN	City:	JILIN	State/Country:	CHINA	Postal Code:	130012				
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CORRESPONDENCE DATA																	
Fax Number:	(215)751-1142																
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	B1301/20003
NAME OF SUBMITTER:	MICHAEL J. CORNELISON
Signature:	/Michael J. Cornelison/
Date:	11/27/2013
Total Attachments: 2 source=B130120003ASSIGN#page1.tif source=B130120003ASSIGN#page2.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned hereby sell, assign and transfer to:

Name: JILIN UNIVERSITY

Address: No. 2699, Qianjin Avenue, Changchun, Jilin 130012, CHINA

its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my/our entire right, title and interest for the United States, in and to any and all inventions which are disclosed in the following application:

U.S. Patent Application Serial No.: 14/119,110

Title: TUNNEL WATER INRUSH ADVANCE PREDICTION DEVICE USING NUCLEAR MAGNETIC RESONANCE DIFFERENCE AND METHOD

Filed: November 20, 2013

Attorney Docket No: B1301/20003

and in and to said national phase application (based on PCT/CN2012/075659) and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States on said inventions.

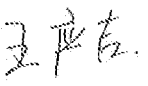
I/We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to, but at the expense of said Assignee, I/we agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me/us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all United States applications for patents and all United States patents on said inventions, in said Assignee.

I/We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

I/We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us, and that full right to convey the same as herein expressed is possessed by me/us.

I/We hereby authorize said Assignee to insert on this Assignment the serial number and filing date of the above-identified application when they become available.

IN WITNESS WHEREOF, I/we have hereunto affixed my/our hand(s) and seal(s) on the date(s) set forth below, and further declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

NAME	ADDRESS	SIGNATURE	DATE
Yingji WANG	No. 938, Ximinzhu Avenue, College of Instrumentation and Electrical Engineering Jilin University, Changchun, Jilin 130061, CHINA		2013. 11. 19

NAME	ADDRESS	SIGNATURE	DATE
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Chuandong JIANG	No. 938, Ximinzhu Avenue, College of Instrumentation and Electrical Engineering Jilin University, Changchun, Jilin 130061, CHINA	蒋川东	2013.11.19
Jianpeng WANG	No. 938, Ximinzhu Avenue, College of Instrumentation and Electrical Engineering Jilin University, Changchun, Jilin 130061, CHINA	王建鹏	2013.11.19
Bo PANG	No. 938, Ximinzhu Avenue, College of Instrumentation and Electrical Engineering Jilin University, Changchun, Jilin 130061, CHINA	庞博	2013.11.19
Zhe ZHANG	No. 938, Ximinzhu Avenue, College of Instrumentation and Electrical Engineering Jilin University, Changchun, Jilin 130061, CHINA	张哲	2013.11.19