

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6974438


<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHAOJIE SONG	09/29/2021
CHANGXIAO CAO	09/29/2021
DAQIAN ZENG	09/29/2021
SHAOHUA GU	09/29/2021
JIANGBO DONG	09/29/2021
RUI ZHANG	09/29/2021
ZEHUI XIE	09/29/2021
YING JIA	09/29/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHINA UNIVERSITY OF PETROLEUM-BEIJING
<b>Street Address:</b>	NO. 18, FUXUE ROAD
<b>Internal Address:</b>	CHANGPING DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	102249
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17495640
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(631)421-1451
<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>	6314211113
<b>Email:</b>	apokalsky@pwblp.com
<b>Correspondent Name:</b>	POKALSKY WILCZYNSKI BROZEK, LLP
<b>Address Line 1:</b>	40 PRESTON STREET
<b>Address Line 2:</b>	PO BOX 1830
<b>Address Line 4:</b>	HUNTINGTON, NEW YORK 11743
<b>ATTORNEY DOCKET NUMBER:</b>	0967-2004
<b>NAME OF SUBMITTER:</b>	ANN R. POKALSKY

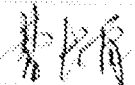
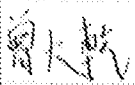
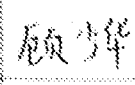
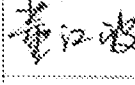
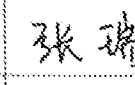
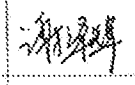
PATENT

<b>SIGNATURE:</b>	/Ann R. Pokalsky/
<b>DATE SIGNED:</b>	10/18/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

**COMBINED DECLARATION AND ASSIGNMENT  
FOR PATENT AND DESIGN APPLICATIONS**

Title of Invention	EDGE AND BOTTOM WATER INVASION SIMULATION APPARATUS AND METHOD for gas reservoir, STORAGE MEDIUM, AND PRODUCT
<u>DECLARATION (37 C.F.R. 1.63) USING AN APPLICATION DATA SHEET</u>	
Declaration	<p>As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:</p> <p>[ X ] This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:</p> <p>[ X ] U.S. Application or PCT International Application No. <u>17/495,640</u> filed on <u>October 6, 2021</u></p> <ul style="list-style-type: none"> <li>• The above-identified application was made or authorized to be made by me.</li> <li>• I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</li> <li>• I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.</li> <li>• I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 C.F.R. § 1.56.</li> </ul>
<u>CONFIRMATORY ASSIGNMENT</u>	
Assignor	WHEREAS, the undersigned (hereinafter designated as the ASSIGNOR) has invented certain new and useful improvements described in the above-identified application.
Assignee	WHEREAS, <u>CHINA UNIVERSITY OF PETROLEUM—BEIJING</u> of <u>No.18 Fuxue Road, Changping District, Beijing 102249, China</u> its heirs, successors, legal representatives and assigns (hereinafter designated as the ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.

<p>Assignment</p>	<p>NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to Assignee the entire, full and exclusive right to the above-identified application in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and in any and all foreign countries to be obtained on said application or any divisions, reissues, substitute, continuations, conversions and extensions, reexamination, supplemental examination, post grant review, inter partes review, or other procedures thereof for the full term or terms for which the same may be granted.</p> <p>The ASSIGNOR agrees to execute all papers necessary in connection with the said application and any divisions, reissues, substitute, continuations, conversions and extensions, reexamination, supplemental examination, post grant review, inter partes review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.</p> <p>The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this said application or divisions, reissues, substitute, continuations, conversions and extensions, reexamination, supplemental examination, post grant review, inter partes review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.</p> <p>The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all foreign countries and does hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers necessary in connection with said applications for such patents and divisions, reissues, substitute, continuations, conversions and extensions, reexamination, supplemental examination, post grant review, inter partes review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.</p>		
	<p>In witness whereof, executed by the undersigned on the date opposite the undersigned name</p>		
<p>Inventor's Name:</p>	<p>Zhaojie SONG</p>	<p>Date:</p>	<p>2021.09.29</p>
<p>Inventor's Signature:</p>			

Inventor's Name:	Changxiao CAO	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Daqian ZHANG	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Shaochun GU	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Jiangbo DONG	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Rui ZHANG	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Zehui XIE	Date:	2021.09.29
Inventor's Signature:			
Inventor's Name:	Ying JIA	Date:	2021.09.29
Inventor's Signature:			