

## PATENT ASSIGNMENT COVER SHEET

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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>
BIN DING	11/06/2019
XIANGFEI GENG	11/06/2019
JIANHUI LUO	11/06/2019
YANG SHI	11/06/2019
JIANYONG XIE	11/06/2019
BO HUANG	11/06/2019
YANG GAO	11/07/2019
PINGMEI WANG	11/06/2019
BAOLIANG PENG	11/06/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PETROCHINA COMPANY LIMITED
<b>Street Address:</b>	9 DONGZHIMEN NORTH STREET
<b>Internal Address:</b>	DONGCHENG DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16691944
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)645-7707
<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>	404-645-7700
<b>Email:</b>	jwelton@mcciplaw.com
<b>Correspondent Name:</b>	MEUNIER CARLIN & CURFMAN LLC
<b>Address Line 1:</b>	999 PEACHTREE STREET NE
<b>Address Line 2:</b>	SUITE 1300
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	10546-026US1
<b>NAME OF SUBMITTER:</b>	JULIA WELTON

PATENT

<b>SIGNATURE:</b>	/Julia Welton/
<b>DATE SIGNED:</b>	12/04/2019
<b>Total Attachments: 10</b> source=10546-026US1 Executed assignment#page1.tif source=10546-026US1 Executed assignment#page2.tif source=10546-026US1 Executed assignment#page3.tif source=10546-026US1 Executed assignment#page4.tif source=10546-026US1 Executed assignment#page5.tif source=10546-026US1 Executed assignment#page6.tif source=10546-026US1 Executed assignment#page7.tif source=10546-026US1 Executed assignment#page8.tif source=10546-026US1 Executed assignment#page9.tif source=10546-026US1 Executed assignment#page10.tif	

ASSIGNMENT

For valuable consideration, we, **Bin DING** of Beijing City, China; **Xiangfei GENG** of Beijing City, China; **Jianhui LUO** of Beijing City, China; **Yang SHI** of Beijing City, China; **Jianyong XIE** of Beijing City, China; **Bo HUANG** of Beijing City, China; **Yang GAO** of Beijing City, China; **Pingmei WANG** of Beijing City, China; and **Baoliang PENG** of Beijing City, China, hereby assign to **PetroChina Company Limited**, a corporation of China, having a place of business at 9 Dongzhimen North Street, Dongcheng District, Beijing, P.R. China, and its successors and assigns (collectively hereinafter "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are subject of an application for United States Patent, entitled "A CORE-SHELL STRUCTURED ANIONIC NANO MICROEMULSION SYSTEM, AND PREPARATION AND APPLICATION THEREOF," filed on November 22, 2019 and assigned U.S. Patent Application No. 16/691,944, [WE authorize Meunier Carlin & Curfman LLC the rights to make the necessary changes to the assignments before filing which will include the Application Number and Filing Date], which claims priority to Chinese Patent Application No. 201910001672.7 filed January 2, 2019; this assignment including said application, any and all divisional, continuing, substitute, renewal, reissue and all other applications for patent that have been or shall be filed in the United States and all foreign countries on any such inventions or improvements; all original and reissued patents that have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further

applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 2019-11-6 Bin Ding  
Bin DING

WITNESSED BY:

Yong Shu  
Signature of Witness

Yong SHU  
Name of Witness

Date 6/11/2019

Falin WEI  
Signature of Witness

Falin WEI  
Name of Witness

Date 6/11/2019

Date: 2019-11-6

Xiangfei Geng  
Xiangfei GENG

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Yong Shu  
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Yong SHU  
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Falin WEI  
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Date 6/11/2019

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Jianhui LUO  
Jianhui LUO

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Yong Shu  
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Yong SHU  
Name of Witness

Date 6/11/2019

Falin WEI  
Signature of Witness

Falin WEI  
Name of Witness

Date 6/11/2019

Date: 2018-11-6

Yang SHI  
Yang SHI

WITNESSED BY:

Yong Shu  
Signature of Witness

Yong SHU  
Name of Witness

Falin WEI  
Signature of Witness

Falin WEI  
Name of Witness

Date 6/11/2018

Date 6/11/2018

Date: 2019-11-6

Jianyong XIE  
Jianyong/XIE

**WITNESSED BY:**

Yong Shu  
Signature of Witness

Falin WEI  
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Yong SHU  
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Name of Witness

Date 6/11/2019

Date 6/11/2019



Date: 2019-6-11

Bo Huang  
Bo HUANG

WITNESSED BY:

Yong Shu  
Signature of Witness

Falin WEI  
Signature of Witness

Yong SHU  
Name of Witness

Falin WEI  
Name of Witness

Date 6/11/2019

Date 6/11/2019

Date: 2019-11-7

Gao Yang  
Yang GAO

WITNESSED BY:

Yong Shu  
Signature of Witness

Falin WEI  
Signature of Witness

Yong SHU  
Name of Witness

Falin WEI  
Name of Witness

Date 7-11-2019

Date 7-11-2019

Date: 2019-11-6

Pingmei Wang  
Pingmei WANG

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Yong Shu  
Signature of Witness

Yong SHU  
Name of Witness

Date 6/11/2019

Falin WEI  
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Falin WEI  
Name of Witness

Date 6/11/2019

Date: 2019-11-6

Baoliang Peng  
Baoliang PENG

WITNESSED BY:

Yong Shu  
Signature of Witness

Falin WEI  
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Yong SHU  
Name of Witness

Falin WEI  
Name of Witness

Date 6/11/2019

Date 6/11/2019