504976740 06/26/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIANG'AN YUE	04/12/2018
WEIQING AN	04/12/2018
XUEGANG FENG	04/12/2018
LIJUAN ZHANG	04/12/2018
JIRUI ZOU	04/12/2018
XIN FANG	04/12/2018
YOUJUN FU	04/12/2018
WEI FANG	04/12/2018
JUNBIN ZHANG	04/12/2018
WENHAO TIAN	04/12/2018
JUESHUN ZHAO	04/12/2018
BIN KONG	04/12/2018
SHENGXU ZHAO	04/12/2018

RECEIVING PARTY DATA

CHINA UNIVERSITY OF PETROLEUM-BEIJING
NO. 18 FUXUE ROAD, CHANGPING DISTRICT
BEIJING
CHINA
102249
BEIJING SHIDA RONGZHI SCIENCE AND TECHNOLOGY LIMITED COMPANY
NO. 2 BUILDING OF NO. 7 CHUANGXIN ROAD
SCIENCE PARK, CHANGPING DISTRICT
BEIJING
CHINA
102249

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16016518

PATENT REEL: 046198 FRAME: 0804

504976740

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MICHAEL FEDRICK
SIGNATURE:	/Michael Fedrick/
DATE SIGNED:	06/26/2018

Total Attachments: 5

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> PATENT REEL: 046198 FRAME: 0805

ASSIGNMENT

WHEREAS, the following individual(s) (**Inventors**) have invented certain new and useful improvements:

Inventor 1: Xiang'an YUE

Address: No. 18 Fuxue Road, Changping District, Beijing 102249 China

Inventor 2: Weiging AN

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Inventor 11: Jueshun ZHAO

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Inventor 12: Bin KONG

Address: No. 18 Fuxue Road, Changping District, Beijing 102249 China

Inventor 13: Shengxu ZHAO

Address: No. 18 Fuxue Road, Changping District, Beijing 102249 China

WHEREAS, such improvements are disclosed in the following patent applications:

Chinese Patent Application No.: 201710492533.X

Filed: June 26, 2017

Chinese Patent Application No.: 201720746442.X

Filed: June 26, 2017

Chinese Patent Application No.: 201710492520.2

Filed: June 26, 2017

Chinese Patent Application No.: 201720746393.X

Filed: June 26, 2017

AND WHEREAS, the following legal entities (hereafter, together with any successors, legal representatives or assigns thereof, referred to collectively as "**Assignee**"), want to acquire the entire right, title and interest in and to said improvements and applications and any patents which may be granted thereon:

Assignee: China University of Petroleum-Beijing

Address: No. 18 Fuxue Road, Changping District, Beijing 102249 China

Assignee: Beijing Shida Rongzhi Science and Technology Limited Company

Address: No. 2 Building of No. 7 Chuangxin Road, Science Park,

Changping District, Beijing 102249 China

NOW, THEREFORE, for US\$1.00 or its equivalent and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Inventors have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee their entire right, title and interest in and to said improvements and said application(s), including: all nonprovisional patent applications, divisions, substitutions, continuations and continuations-in-part of said application(s); all priority rights under the International Convention for the Protection of Industrial Property for every member country; all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements and/or claiming priority to said application(s) in any countries; and all patents (including all extensions, renewals, reexaminations, and reissues thereof) granted for said improvements in any country. The Inventors hereby authorize and request the officials whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment.

The Inventors hereby covenant that they have the full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, an agreement in conflict herewith.

The Inventors hereby further covenant and agree that they will communicate to Assignee any facts known to them respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all nonprovisional, divisional, continuation, continuation-in-part, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all

IN WITNESS WHEREOF, the parties hereto have executed this agreement.

I declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

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Cxecnied ou: N 20 10 14 17	Name Jany FENG
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		Title " Yebroleons Jobsons" V "
Assignee (E	leijing Shida Rongz	hi Science and Technology Limited Company):
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9.4		charmon of Dering shota
		Tille Rongshi Science and Technology
		Tribed Company

RECORDED: 06/26/2018