

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6529322

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUE MA	10/12/2020
YI HE	10/12/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARAMCO FAR EAST (BEIJING) BUSINESS SERVICES CO. LTD.
<b>Street Address:</b>	UNITS 01-25, 43F, CHINA WORLD TOWER
<b>Internal Address:</b>	NO. 1 JIAN GUO MEN WAI AVENUE, CHAOYANG DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100004
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17160683
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)449-6405
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<b>Phone:</b>	937-449-6400
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<b>Correspondent Name:</b>	DINSMORE & SHOHL LLP
<b>Address Line 1:</b>	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET
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<b>ATTORNEY DOCKET NUMBER:</b>	SA6476/SA 6476 PA
<b>NAME OF SUBMITTER:</b>	SARAH WILSON
<b>SIGNATURE:</b>	/Sarah Wilson/
<b>DATE SIGNED:</b>	02/02/2021
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

WHEREAS, we, **Yue Ma**, of Beijing, China and **Yi He**, of Beijing, China hereinafter called the *ASSIGNORS*, invented certain new and useful METHODS AND SEISMIC SHOT GENERATION AND DATA COLLECTION SYSTEMS UTILIZING REFRACTION IN HORIZONTAL STRATIFIED MEDIA FOR MONOTONICALLY INCREASED VELOCITY DETERMINATIONS, for which the *ASSIGNOR* executed a United States Non-Provisional Patent Application, filed on January 28, 2021, under

Patent Application Serial No.: 17/160,683 ;

Attorney Docket No.: SA6476 / SA 6476 PA ;

WHEREAS, the *ASSIGNORS* hereby authorize and request the attorney(s) and/or agent(s) recording the present assignment, to insert above the filing date and application number of said application, when known;

WHEREAS, **Aramco Far East (Beijing) Business Services Co. Ltd.**, a Company in Beijing, China, with a place of business at Units 01-25, 43F, China World Tower, No. 1 Jian Guo Men Wai Avenue, Chaoyang District, Beijing, 100004, China, hereinafter called the *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

AND, WHEREAS, it is the intent of the *ASSIGNORS* to assign all rights, including but not limited to all substantive rights as well as the (future) right to claim priority and the right to be granted a patent in any and all PCT Contracting States to the above referenced application to the Assignee;

NOW, THEREFORE, in consideration of the sum of One Dollar (US \$1.00) or other good and valuable consideration, the receipt of which is hereby acknowledged, *ASSIGNORS* hereby sell, assign and transfer unto said *ASSIGNEE*, its successors and assigns, the entire right, title and interest, including the right to sue for past infringement, if any, and the right to claim priority, in and to said application, the inventions therein disclosed, and any improvements thereon, and in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possession, in any and all foreign countries, including without limit all PCT Contracting States, all GCC Member States, and in and to any and all divisions, continuations, substitutions, renewals, re-examination, extension and reissues thereof, and any other applications claiming priority thereto;

*ASSIGNORS* hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all foreign countries, to issue, when granted, any and all Letters Patents thereon, and reissues thereof, to said *ASSIGNEE* as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said *ASSIGNEE* and said *ASSIGNEE's* successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been

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held by *ASSIGNORS* had this assignment and sale not been made; and

*ASSIGNORS* hereby authorize said *ASSIGNEE*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and

*ASSIGNORS* hereby does agree that, upon request, *ASSIGNORS* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

*ASSIGNORS*:

IN WITNESS WHEREOF, the *ASSIGNORS* have hereunto set his hand and seal.

Inventor 1: Yue Ma	
Signed:	<i>Yue Ma</i>
Printed Name:	<i>Yue Ma</i>
Date:	<i>10/12/2020</i>

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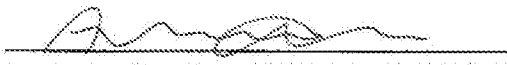
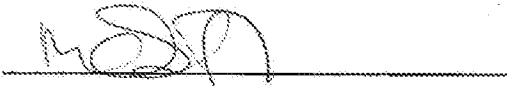
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REEL: 055204 FRAME: 0843

<i>Inventor 2: Yi He</i>	
Signed:	<u>He Yi</u>
Printed Name:	<u>Yi He</u>
Date:	<u>10/12/2020</u>

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ASSIGNEE hereby accepts and receives this ASSIGNMENT.

<b>Assignee: Aramco Far East (Beijing) Business Services Co. Ltd.</b>	
Signed:	 
Printed Name:	Anwar A. Al Hejazi
Printed Title:	President
Date:	
<b>Witness:</b>	
Signed:	
Printed Name:	Michael C. Smith
Title:	Chief Counsel

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RECORDED: 02/02/2021

REEL: 055204 FRAME: 0845