PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6826386

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hooisweng Ow	05/24/2017
Rena Shi	05/24/2017
Jason R. Cox	05/24/2017
Sehoon Chang	05/24/2017

RECEIVING PARTY DATA

Name:	ARAMCO SERVICES COMPANY
Street Address:	1200 SMITH STREET, TWO ALLEN BUILDING
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77002

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16252228

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: +1 (214) 760-6122

Email: larson-herman@fr.com, apsi@fr.com KIMBERLEY LARSON-HERMAN **Correspondent Name:** Address Line 1: FISH & RICHARDSON P.C.

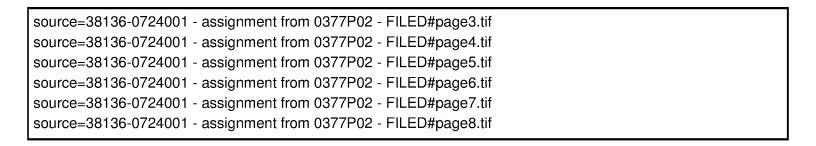
Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	38136-0724001		
NAME OF SUBMITTER:	KIMBERLEY LARSON-HERMAN		
SIGNATURE:	/Kimberley Larson-Herman/		
DATE SIGNED:	07/22/2021		

Total Attachments: 8

source=38136-0724001 - assignment from 0377P02 - FILED#page1.tif source=38136-0724001 - assignment from 0377P02 - FILED#page2.tif



ASSIGNMENT OF INTELLECTUAL PROPERTY

In consideration of my continued employment with Aramco Services Company ("ASC" or the "Company"), I have executed this Assignment of Intellectual Property ("Assignment") relating to the Intellectual Property more fully described in the document identified by ASC Tracking No. ASCO29 ("Invention Disclosure"), and agree to the following:

- 1. I do hereby assign to the Company all of my right, title and interest in the Invention Disclosure, including, but not limited to, proprietary information and Intellectual Property (the "Assigned Interests").
- 2. If requested by the Company, and at no expense to me, I agree to execute and deliver all papers and make all rightful oaths deemed useful or necessary by the Company in connection with the preparation, assignment, filing, and prosecution of applications for patents covering all such Assigned Interests and to lend such other assistance in obtaining, perfecting or enforcing such patents as the Company may request.
- 3. I agree to cooperate, both during my employment with the Company and for a reasonable time thereafter, in the prosecution or defense of any patent claims, litigation, and any other proceeding involving the Assigned Interests.
- 4. I understand that all Works I have created for the Company, or in pursuit of my duties to the Company, that relate to the Assigned Interests are Works made for hire and are owned by the Company.
- 5. For purposes of this Assignment, I agree that the following definitions apply:

"Intellectual Property" or "IP" includes patents, patent applications, utility models, industrial designs, inventions, trademarks, service marks, logos, trade dress, brand names, goodwill, domain names or other sources of origin, copyrights and moral rights, trade secrets, proprietary know-how and know-how, including, but not limited to Inventions, conceptions, developments, books, articles, workbooks, manuals, lab manuals, bibliographies, video or audio recordings, films, slides, website content, transparencies, charts, graphic materials, photographic or similar visual materials, film strips, multi-media materials, three-dimensional materials, presentations, exhibits, computer programs, software, and databases.

"Works" includes works of authorship fixed in a tangible medium of expression from which they can be perceived, reproduced, or otherwise communicated, either directly or with the aid of a machine or device, and include the product and results of services rendered to the Company, invention disclosures, drawings, plans, documents, flow charts, original photographs, graphics, graphic design, computer

files, work-up files, simulations, simulation files, formulations, source codes, software and/or programming.

- 6. I understand and agree that the foregoing covenants shall inure to the benefit of the Company, its successors, assigns or designees, meaning that ASC, its successors, assigns and designees shall have the right to make, sell, use, assign, license and take any and all other actions as the owner of all rights associated with the Assigned Interests.
- 7. I understand and agree that this Assignment shall be binding upon me during and after my assignment by the Company and upon my heirs, executors, administrators and assigns.

Signature:	1 fox	
Name (printed):	Hooisw	ENG OW
Dated this 24day of	MAY	, 20

Witnessed by me on this 24 day of May, 20 17
Signature:
Name (printed):

David

June

ASSIGNMENT OF INTELLECTUAL PROPERTY

In consideration of my continued employment with Aramco Services Company ("ASC" or the "Company"), I have executed this Assignment of Intellectual Property ("Assignment") relating to the Intellectual Property more fully described in the document identified by ASC Tracking No. ASCO ("Invention Disclosure"), and agree to the following:

- 1. I do hereby assign to the Company all of my right, title and interest in the Invention Disclosure, including, but not limited to, proprietary information and Intellectual Property (the "Assigned Interests").
- 2. If requested by the Company, and at no expense to me, I agree to execute and deliver all papers and make all rightful oaths deemed useful or necessary by the Company in connection with the preparation, assignment, filing, and prosecution of applications for patents covering all such Assigned Interests and to lend such other assistance in obtaining, perfecting or enforcing such patents as the Company may request.
- 3. I agree to cooperate, both during my employment with the Company and for a reasonable time thereafter, in the prosecution or defense of any patent claims, litigation, and any other proceeding involving the Assigned Interests.
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Signature:	Keg	,	
Name (printed)	: Rena	Shí	
Dated this 24 da	ay of Mo	4/	, 20 <u>_1</u> 7
		X	

Witnessed by me on this 24 th day of May, 2017
Signature: Day 2 Jung

ASSIGNMENT OF INTELLECTUAL PROPERTY

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Signature:

Name (printed):

Dated this Zaday of

Witnessed by me on this 26 day of 100

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In consideration of my continued employment with Aramco Services Company ("ASC" or the "Company"), I have executed this Assignment of Intellectual Property ("Assignment") relating to the Intellectual Property more fully described in the document identified by ASC Tracking No. ASC 02/2 ("Invention Disclosure"), and agree to the following:

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- 2. If requested by the Company, and at no expense to me, I agree to execute and deliver all papers and make all rightful oaths deemed useful or necessary by the Company in connection with the preparation, assignment, filing, and prosecution of applications for patents covering all such Assigned Interests and to lend such other assistance in obtaining, perfecting or enforcing such patents as the Company may request.
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Signature:	Clay	806	ver	
Name (printe	d): $\mathcal{S}_{\boldsymbol{\epsilon}}$	Choon	Chang	
Dated this 24	day of _	May)	, 20 <u>(</u>

Witnessed by me on this 24 day of May, 2017
Signature:
Name (printed): Cawain M. Thomas

PATENT REEL: 056943 FRAME: 0449

RECORDED: 07/22/2021