505948971 03/04/2020

EPAS ID: PAT5995675

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| Fouad M. Alkhabbaz | 03/13/2018 |
| Osama Bakur Bahwal | 03/14/2018 |

RECEIVING PARTY DATA

| Name: | SAUDI ARABIAN OIL COMPANY | |
|-----------------|---------------------------|--|
| Street Address: | 1 EASTERN AVENUE | |
| City: | DHAHRAN | |
| State/Country: | SAUDI ARABIA | |
| Postal Code: | 31311 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16806923 |

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.

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| ATTORNEY DOCKET NUMBER: | 38136-0477002 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | KIRSTIN MATTEO |
| SIGNATURE: | /kirstin matteo/ |
| DATE SIGNED: | 03/04/2020 |

Total Attachments: 2

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PATENT REEL: 052010 FRAME: 0097 505948971

Attorney Docket No.: 38136-0477001 / \$A7470

ASSIGNMENT

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and

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declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Fouad M. Alkhabbaz

Osama Bakur Bahwal

Date: Wesder 134 9 Narch 2018

Date: 03-14-2018