

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5377687

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|---|-----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DONGLIANG ZHANG | 05/11/2017 |
| TONG WANG FEI | 05/14/2017 |
| YI LUO | 05/13/2017 |
| 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: 2 | |
| Property Type | Number |
| Application Number: | 16276367 |
| Application Number: | 16276403 |
| CORRESPONDENCE DATA | |
| Fax Number: | (877)769-7945 |
| <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> | |
| Phone: | 214-292-4039 |
| Email: | apsi@fr.com |
| Correspondent Name: | FISH & RICHARDSON P.C. |
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| ATTORNEY DOCKET NUMBER: | 38136-0287002; 0287003 |
| NAME OF SUBMITTER: | PEGGY C. HARRIS |
| SIGNATURE: | /Peggy C. Harris/ |
| DATE SIGNED: | 02/15/2019 |
| Total Attachments: 5 | |
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, DONGLIANG ZHANG, TONG WANG FEI, and YI LUO, each individually assign to SAUDI ARABIAN OIL COMPANY, a corporation formed under the laws of Saudi Arabia and having a principal place of business at 1 Eastern Avenue, Dhahran, Saudi Arabia 31311, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the subject matter (the “Subject Matter”) of a patent application that names us as inventors, is titled “GENERATING COMMON IMAGE GATHER USING WAVE-FIELD SEPARATION,” and was filed in the United States Patent and Trademark Office on April 6, 2017, as application 15/480,708 (the “Application”).

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 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.

Dongliang Zhang
Dongliang Zhang

Date: 05/11/2017

Witnessed by:

Signature: [Signature]

Date: 05/13/2017

Print Name: Xu Ji

Signature: [Signature]

Date: 05/13/2017

Print Name: Fuhao Qin



Tong Wang Fei

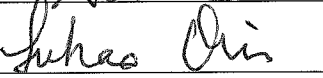
Date: 05/14/2017

Witnessed by:

Signature: 

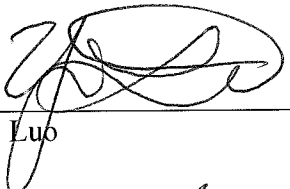
Date: 05/13/2017

Print Name: Xu Ji

Signature: 

Date: 05/14/2017

Print Name: Fu hao Qin



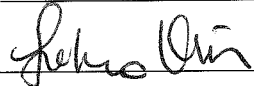
Yi Luo

Date: 05/13/2017

Witnessed by:
Signature: 

Print Name: Xu Ji

Date: 05/13/2017

Signature: 

Print Name: Fuhao Qin

Date: 05/17/2017

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SAUDI ARABIAN OIL COMPANY

Signature: _____ Date: _____

Name: _____

Title: _____

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..... Date:

Yi Luo

Witnessed by:

Signature: Date:

Print Name:

Signature: Date:

Print Name:

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SAUDI ARABIAN OIL COMPANY

Signature:  Date: April 13, 2017

Name: Melton E. Knotts

Title: Assistant Corporate Secretary

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