506788908 07/28/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIFENG HU	07/15/2021
SHUANDI HOU	07/15/2021
JUNYI MAO	07/15/2021
ZHENXING ZHU	07/15/2021
XIAOJIN TANG	07/15/2021
ZHENG LIU	07/15/2021
YONGXIANG LI	07/15/2021
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RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17287648

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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> **PATENT REEL: 057004 FRAME: 0575**

506788908

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ATTORNEY DOCKET NUMBER:	11240.0048-00000
NAME OF SUBMITTER:	SYLVIA LOPEZ
SIGNATURE:	/Sylvia Lopez/
DATE SIGNED:	07/28/2021

Total Attachments: 3

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> PATENT REEL: 057004 FRAME: 0576

ASSIGNMENT

WHEREAS I/We are the below-named inventor(s) (hereinafter referred to as Assignor(s)) of an invention entitled:

LIQUID-SOLID AXIAL MOVING BED REACTION AND REGENERATION DEVICE, AND SOLID ACID ALKYLATION METHOD

as disclosed and claimed in the applications identified below this paragraph:

Application Number	Country of Filing	Filing Date
17/287,648	US	April 22, 2021
201811229732.2	CN	October 22, 2018
201811230209.1	CN	October 22, 2018
PCT/CN2019/112517	PCT	October 22, 2019
PCT/CN2019/112517	PCT	October 22, 2019

WHEREAS, CHINA PETROLEUM & CHEMICAL CORPORATION, a corporation of China whose post office address is 22 Chaoyangmen North Street, Chaoyang District, Beijing 100728, P. R. China, and RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, a corporation of China whose post office address is 18 Xueyuan Road, Haidian District, Beijing, 100083, P. R. China (hereinafter referred to as Assignee), desires to own the entire right, title, and interest in and to this invention in the United States, any and all application(s) for United States Patent(s) filed on this invention, and any and all Letters Patent to be issued upon such filed application(s);

NOW THEREFORE, be it known that, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, interest in and to this invention in the United States, any and all application(s) for United States Patent(s) filed on this invention, including any provisional applications, non-provisional applications, continuations, divisionals, or continuations-in-part that disclose the invention, and any and all Letters Patent to be issued upon such filed application(s), including any reissues thereof;

AND, I/WE covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment.

AND, I/WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Signature

Lifeng HU

Print Name

1.1(4, 15, 202)

Execution Date

ASSINOR (Inventor) 1

Page 1 of 3

ASSINOR (Inventor) 2
Shuandi Hon
Signature
Shuandi HOU Print Name
July 6. 2021
Execution Date
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Execution Date
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Execution Date

Page 2 of 3

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Zheng LIU
Print Name July 15. 2,2
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RECORDED: 07/28/2021