

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PENG WANG	11/24/2020
KUI ZHAGN	11/24/2020
YIJUN LV	11/24/2020
QUAN LIN	11/24/2020
BO FENG	11/24/2020
ZHUOWU MEN	11/24/2020
FENGBO ZHANG	11/24/2020
QI SUN	11/24/2020
PING MIAO	11/24/2020
RECEIVING PARTY DATA	
Name:	CHINA ENERGY INVESTMENT CORPORATION LIMITED
Street Address:	22 XIBINHE ROAD, ANDINGMEN, DONGCHENG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100011
Name:	NATIONAL INSTITUTE OF CLEAN-AND-LOW-CARBON ENERGY
Street Address:	SHENHUA LOW CARBON 001# POSTBOX, FUTURE SCIENCE & TECHNOLOGY PARK, CHANGPING DIST.
City:	BEIJING
State/Country:	CHINA
Postal Code:	102209
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17044694
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	docketing@dority-manning.com
Correspondent Name:	DORITY & MANNING, P.A.
PATENT	

Address Line 1:	POST OFFICE BOX 1449
Address Line 4:	GREENVILLE, SOUTH CAROLINA 29602-1449

ATTORNEY DOCKET NUMBER:	RUNP-102-PCT-US
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NAME OF SUBMITTER:	JASON A. JENNINGS
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SIGNATURE:	/Jason A. Jennings/
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DATE SIGNED:	01/30/2021
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Total Attachments: 3

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CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Peng Wang, a citizen of China, residing in Changping District, Beijing, China; Kui Zhagn, a citizen of China, residing in Changping District, Beijing, China; Yijun LV, a citizen of China, residing in Changping District, Beijing, China; Quan Lin, a citizen of China, residing in Changping District, Beijing, China; Bo Feng, a citizen of China, residing in Changping District, Beijing, China; Zhuowu Men, a citizen of China, residing in Changping District, Beijing, China; Fengbo Zhang, a citizen of China, residing in Changping District, Beijing, China; Qi Sun, a citizen of China, residing in Changping District, Beijing, China; and Ping Miao, a citizen of China, residing in Changping District, Beijing, China; as assignors, have made an invention entitled

“SUPPORTED α/δ ’ IRON CARBIDE CATALYST FOR FISCHER-TROPSCH SYNTHESIS REACTION, PREPARATION METHOD THEREOF AND FISCHER-TROPSCH SYNTHESIS PROCESS”

(the “Invention”) as described in a patent application (the “Patent Application”), the specification of which:

- ☐ is attached hereto.
- X was filed on October 1, 2020 as U.S. Application Serial No. 17/044,694
- X was filed on June 21, 2018 as PCT Application Serial No. PCT/CN2018/092084
- X was filed on April 2, 2018 as CN201810283256.6

WHEREAS, China Energy Investment Corporation Limited, 22 Xibinhe Road, Andingmen, Dongcheng District, Beijing, China; and National Institute of Clean-and-Low-Carbon Energy, Shenhua Low Carbon 001# Postbox, Future Science & Technology Park, Changping District, Beijing 102209, China, as assignees, have received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignees is hereby acknowledged, we, as assignors, acknowledge and confirm that we have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignees, its lawful successors and assigns, our entire right, title, and interest in and to the

Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignors' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignees, its successors and assigns, in accordance with the terms of this Assignment, and we hereby authorize the assignees, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignees, its successors and assigns, any facts known to us respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignees, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignees, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignees, its successors and assigns.

IN WITNESS WHEREOF, the Assignors have executed this document on the date indicated
below:

Peng Wang
Peng Wang

2020.11.24

Date

Kui Zhagn
Kui Zhagn

2020.11.24

Date

Yijun Lv
Yijun LV

2020.11.24

Date

Quan Lin
Quan Lin

2020.11.24

Date

Bo Feng
Bo Feng

2020.11.24

Date

Zhuowu Men
Zhuowu Men

2020.11.24

Date

Fengbo Zhang
Fengbo Zhang

2020.11.24

Date

Qi Sun
Qi Sun

2020.11.24

Date

Ping Majo
Ping Majo

2020.11.24

Date