506091472 06/04/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6138192

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GUOQING WANG	05/19/2020
JUNGJIE LIU	05/20/2020
LIJUN ZHANG	05/20/2020
CONG ZHOU	05/20/2020
ZHAOBIN ZHANG	05/20/2020
SHASHA YANG	05/20/2020
DONGFA SHEN	05/20/2020
XIAOFENG LI	05/20/2020
SHIFANG YANG	05/20/2020
ZHIGUO DU	05/20/2020
YONGGANG ZHANG	05/20/2020
YING SHI	05/20/2020
JINGHANG GUO	05/20/2020

RECEIVING PARTY DATA

Name:	CHINA PETROLEUM & CHEMICAL CORPORATION
Street Address:	22 CHAOYANGMEN NORTH STREET
Internal Address:	CHAOYANG DISTRICT
City:	BEJING
State/Country:	CHINA
Postal Code:	100728
Name:	BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION
Street Address:	NO.14, BEISANHUAN EAST ROAD
Internal Address:	CHAOYANG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100013

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16758155

PATENT

506091472 REEL: 052841 FRAME: 0777

CORRESPONDENCE DATA

Fax Number: (202)408-4444

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: 202-408-4000

Email: pam.gebhardtsbauer@finnegan.com

Correspondent Name: FINNEGAN HENDERSON FARABOW GARRETT & DUNNER LLP

Address Line 1:901 NEW YORK AVE., NWAddress Line 4:WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	11240.0046-00000	
NAME OF SUBMITTER:	PAMELA A. GEBHARDTSBAUER	
SIGNATURE:	/Pamela A. Gebhardtsbauer/	
DATE SIGNED:	06/04/2020	

Total Attachments: 4

source=Signed Assignment#page1.tif source=Signed Assignment#page2.tif source=Signed Assignment#page3.tif source=Signed Assignment#page4.tif

ASSIGNMENT

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

HEAT TRANSFER ENHANCEMENT PIPE AS WELL AS CRACKING FURNACE AND ATMOSPHERIC AND VACUUM HEATING FURNACE INCLUDING THE SAME:

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

Application Number	Country of Filing	Filing Date
PCT/CN2018/111797	PCT	October 25, 2018
201711029500.8	CN	October 27, 2017
201711023424.X	CN	October 27, 2017
201711056794.3	CN	October 27, 2017
201711027588.X	CN	October 27, 2017
201711057043.3	CN	October 27, 2017

WHEREAS, CHINA PETROLEUM & CHEMICAL CORPORATION, a corporation of China whose post office address is 22 Chaoyangmen North Street, Chaoyang District, Beijing 100728, CHINA and BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, a corporation of China whose post office address is No. 14, Beisanhuan East Road, Chaoyang District, Beijing 100013, 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.

ASSIGNOR (Inventor) 1 -CXUOJWG WANG
Signature
Guoging WANG
Print Name
Λ
Execution Date
Execution Date
ASSIGNOR (Inventor) 2
Junie LIV
Signature
Junjie LIU
Print Name
7020. I. W
Execution Date
ASSIGNOR (Inventor) 3 Ligun ZHANG
Zizun ZHANG
Signature
Lijun ZHANG
Print Name
2020.05.20.
ASSIGNOR (Inventor) 4
Cong ZHOU
Signature
Cong ZHOU
Print Name
2020, 5.20
ASSIGNOR (Inventor) 5
Zhaobin ZHANG
Signature
Zhaobin ZHANG
Print Name
7070. 5,20
ASSIGNOR (Inventor) 6
_Shasha YANG
Signature
Shasha YANG
Print Name 2020 . 5 . 20
Page 2 of 4

ASSIGNOR (Inventor) 7
Dongfa SHEN
Signature
Dongfa SHEN
Print Name
2020.5.20
ASSIGNOR (Inventor) 8
Xioofong L1
Signature
Xiaofeng LI
Print Name
هد . في مرحر
ASSIGNOR (Inventor) 9
Shifang YANG
Signature
Shifang YANG
Print Name
VOV. 5. Vo
ASSIGNOR (Inventor) 10
Zhiguo Du
Signature
Zhiguo DU
Print Name
2020, 5.20
ASSIGNOR (Inventor) 11
Yonggang ZHANG
Signature
Yonggang ZHANG
Print Name
2020.5.20
ASSIGNOR (Inventor) 12
Ying SHI
Signature
Ying SHI
Print Name

Page 3 of 4

2020.5.20

ASSIGNMENT (U.S. Rights Only) Attorney Docket No. 11240.0046-00000

ASSIGNOR (Inventor) 13

Jing hang Gmo

Signature

Jinghang GUO

Print Name

2020.05.20

Page 4 of 4