501941901

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Xiou HE	04/22/2012
Changli LI	04/22/2012
Zhaobin ZHANG	04/22/2012
Jingkun LIU	04/22/2012
Mujun YUAN	04/22/2012
Cong ZHOU	04/22/2012
Yuping GUO	04/22/2012
Yonghua ZHAO	04/22/2012
Hainu SHEN	04/22/2012

RECEIVING PARTY DATA

Name:	China Petroleum & Chemical Corporation			
Street Address:	No. 22 Chaoyangmen North Street			
Internal Address:	Chaoyang District			
City:	Beijing			
State/Country:	CHINA			
Postal Code:	100728			

Name:	SINOPEC Engineering Incorporation		
Street Address:	Bldg. 21 Anyuan, Anhuibeili		
Internal Address:	Chaoyang District		
City:	Beijing		
State/Country:	CHINA		
Postal Code:	100101		

Name: China Petroleum & Chemical Corporation Beijing Research Institute of Chemical Industry				
Street Address:	No. 14 Beisanhuan East Road			
Internal Address:	Chaoyang District			
City:	Beijing			

PATENT

REEL: 028306 FRAME: 0877

State/Country:	CHINA
Postal Code:	100013

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13504117

CORRESPONDENCE DATA

Fax Number: (415)393-9887 Phone: 415.954.0200

Email: tomika.thomas@squiresanders.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Squire Sanders (US) LLP

Address Line 1: 275 Battery Street, Suite 2600

Address Line 4: San Francisco, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER: 106956.00017

NAME OF SUBMITTER: Stephanie X. Wang, Ph.D.

Total Attachments: 3

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PATENT REEL: 028306 FRAME: 0878

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Attorney Docket: 106956.00017

ASSIGNMENT

(1-11)	Insert Name(s) of Inventor(s)	(1)	Xiou HI	Ξ	(7)	Yuping GUO
		(2)	Changl	i LI	(8)	Yonghua ZHAO
		(3)	Zhaobii	n ZHANG	(9)	Hainü SHEN
		(4)	Jingkur	ı LIU		
		(5)	Mujun `	YUAN		
		(6)	Cong Z	HOU		
	ood and valuable consideration, h, hereby do(es) assign, transfer				dge	d, the undersigned agree(s) to
(12)	Insert Name and Address of c Assignees	0-	(12)	China Petroleum & Che No. 22 Chaoyangmen N Beijing 100728 P.R. Chi	lorth	al Corporation Street, Chaoyang District
				SINOPEC Engineering Bldg. 21 Anyuan, Anhuil Beijing 100101 P.R. Chi	beili,	
				China Petroleum & Che Institute of Chemical Ind No. 14 Beisanhuan Eas Beijing 100013 P.R. Chi	lustr t Roa	
(13)	Insert Country of Incorporation co-Assignees	of	(13)	P.R. China		
(14)			(14)	worldwide right, title, interpatents for every cour	teres ntry, ner e	the co-Assignee) the entire st, and patent applications and including divisions, reissues extensions, rights and priorities ad related to
(15)	Insert Identification of Inventio such as Title, Case Number Foreign Application Number		(15)	(Case No. 106956.00	017) nas	rith Multi-Pass Radiant Coil (Serial No. 13/504,117) for (have) executed an application es of America
(16)	Insert Date of Signing	of	(16)			

SANFRANCISCO/443967.1

Application

PATENT REEL: 028306 FRAME: 0879

Attorney Docket: 106956.00017

- 1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the co-Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the co-Assignees in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the co-Assignees.
- The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said co-Assignees, its successors and assigns, as co-Assignees of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute any agreement in conflict herewith.
- 6) The undersigned hereby grant(s) practitioners associated with Customer Number

44955

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date	April 22,2012	Name of Inventor	Xiou HE
Date	April, 22.20/2	Name of Inventor	Changli Li Changli LI
Date	April 22, 2012	Name of Inventor	Zhaobin ZHANG Zhaobin ZHANG
Date	April 22,2012	Name of Inventor	Jingkun LIU Jingkun LIU

Attorney Docket: 106956.00017

Date	April 22, 2012	Name of Inventor	Mujun YUAN
Date	April 22, 2012	Name of Inventor	Cong ZHOU Cong ZHOU
Date	April 22, 2012	Name of Inventor	Yuping GUO Yuping GUO
Date	April 22,7012	Name of Inventor	Yonghua ZHAO Yonghua ZHAO
Date	April 22, 2012	Name of Inventor	Harm Shen Hainü SHEN