PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6938029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
JIEWEN SHAO	09/22/2021	
LEI BAI	09/22/2021	
QIANG MIAO	09/22/2021	
ZHONGQI WANG	09/22/2021	

RECEIVING PARTY DATA

Name:	CHINA INSTITUTE OF ATOMIC ENERGY	
Street Address:	Street Address: NO. 1 SANQIANG ROAD, XINZHEN STREET	
Internal Address:	FANGSHAN DISTRICT	
City:	BEIJING	
State/Country:	CHINA	
Postal Code:	102413	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17598711

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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: 6123325300

Email: clehmuth@merchantgould.com **Correspondent Name:** MERCHANT & GOULD P.C.

Address Line 1: P.O. BOX 2903

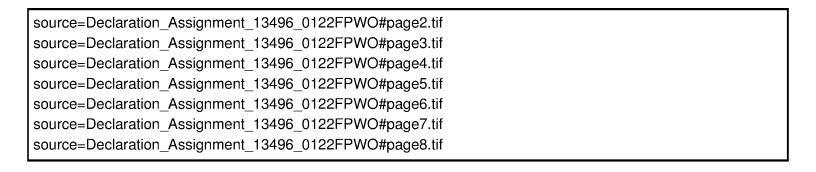
Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	13496.0122FPWO
NAME OF SUBMITTER:	TONG WU
SIGNATURE:	/Tong Wu/
DATE SIGNED:	09/27/2021

Total Attachments: 8

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PATENT REEL: 057612 FRAME: 0730



PATENT REEL: 057612 FRAME: 0731

Title of Invention	TRANS	D FOR CHARACTERIZING PROPERTY C MISSION SOURCE OF SEGMENTE REMENT SYSTEM	
As a below	named inv	entor, I hereby declare that:	
This declara is directed to		☐ United States application or PCT internationa filed on	I application number
The above-i	dentified .	application was made or authorized to be made by a	me.
I believe tha application.	t I am the	original inventor or an original joint inventor of a	claimed invention in the
		that any willful false statement made in this declar by fine or imprisonment of not more than five (5)	

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to CHINA INSTITUTE OF ATOMIC ENERGY, having a place of business at No.1 Sanqiang Road, Xinzhen Street, Fangshan District, Beijing 102413, China (each hereafter referred to as "ASSIGNEEs") the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to PCT/CN2020/085864 filed on April 21, 2020; such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions; all original and reissued patents which have been or shall be issued in the United States and all foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of Merchant & Gould P.C. the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

LEGAL NAME OF INVENTOR	3			
Inventor: <u>Hewen SHAO</u> Date	e: <u>09</u>	[22	202)	
Signature: <u>Jiewen Shao</u>				

Title of Invention	METHOD FOR CHARACTERIZING PROPERTY CHARACTERISTIC OF TRANSMISSION SOURCE OF SEGMENTED γ SCANNING MEASUREMENT SYSTEM
As a below This declara is directed to	☑The attached application, or
The above-i	dentified application was made or authorized to be made by me.
application. I hereby ack	t I am the original inventor or an original joint inventor of a claimed invention in the mowledge that any willful false statement made in this declaration is punishable S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

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PATENT REEL: 057612 FRAME: 0734

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

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LEGAL NAME OF INVENTOR		
Inventor: Lei RAI	13/356: 1 1 2 2 2	
organium. See 1		

Title of Invention	TRANS	OD FOR CHARACTERIZING PROPERTY CH SMISSION SOURCE OF SEGMENTED UREMENT SYSTEM		RISTIC OF SCANNING
As a below	named in	ventor, I hereby declare that:		
This declara		☑The attached application, or		
is directed to		☐United States application or PCT international a	application	n number
		filed on		
The above-i	dentified	application was made or authorized to be made by m	e .,	
I believe that application.		e original inventor or an original joint inventor of a cl	aimed inv	ention in the
I hereby ack under 18 U.	cnowledg S.C. 100	ge that any willful false statement made in this declarated by fine or imprisonment of not more than five (5) ye	tion is pur ears, or bo	nishable th.

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LEGAL NAME OF INVENTOR	
00 le 7 l 70	71
Inventor: Oiang MIAO Date: 09/12/1	<u></u>
A. 1.0	Į.
Signature: Light M140	

Title of Invention	TRANS	OD FOR CHARACTERIZING SMISSION SOURCE OF UREMENT SYSTEM		RACT.	ERISTI SCAN	
As a below:	named in	ventor, I hereby declare that:				
This declara	ition					
is directed to		☐The attached application, or	ř.			
ns ancerea w		United States application or	· PCT international ar	odlicatic	n numb	er
		filed on		.X		*******
		2	**************************************			
The above-i	dentified	application was made or authorize	ed to be made by me.	.1		
I believe tha application.		e original inventor or an original jo	oint inventor of a clai	med inv	⁄ention i	n the
I hereby ack under 18 U.!	nowledge S.C. 1001	e that any willful false statement n I by fine or imprisonment of not m	nade in this declaration nore than five (S) yea	on is pur rs, or bo	nishable oth.	

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LEGAL NAME OF INVENTOR

Inventor: Zhongoi WANG

Signature: Zhongoi WANG