507578356 11/02/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7625246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIA AN	11/02/2022
ZHEXUAN REN	11/02/2022
GENSONG LI	11/02/2022
XING ZHANG	11/02/2022
RU HUANG	11/02/2022

RECEIVING PARTY DATA

Name:	PEKING UNIVERSITY
Street Address:	NO. 5 YIHEYUAN ROAD, HAIDIAN DISTRICT
City:	BEIJING
State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17744282

CORRESPONDENCE DATA

Fax Number:

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: 6175801293

Email: qianqianwu2016@gmail.com

Correspondent Name: QIANQIAN WU
Address Line 1: 64 BANK ST

Address Line 4: ABINGTON, MASSACHUSETTS 02351

ATTORNEY DOCKET NUMBER:	W22-ZJ-BJDX-US-0150
NAME OF SUBMITTER:	QIANQIAN WU
SIGNATURE:	/Qianqian WU/
DATE SIGNED:	11/02/2022

Total Attachments: 5

source=ASSIGNMENTS-5inventors-17744282#page1.tif source=ASSIGNMENTS-5inventors-17744282#page2.tif source=ASSIGNMENTS-5inventors-17744282#page3.tif

PATENT 507578356 REEL: 061638 FRAME: 0193

source=ASSIGNMENTS-5inventors-17744282#page4.tif source=ASSIGNMENTS-5inventors-17744282#page5.tif

PATENT REEL: 061638 FRAME: 0194

Attorney Docket Number	W22-ZJ-BJDX-US-0150	
Title of Invention	METHOD FOR CHARACTERIZING FLUCTUATION INDUCED BY HEAVY ION IRRADIATION IN A DEVICE AND APPLICATION THEREOF	
WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. Peking University WHEREAS,		
having a po	estal address of No. 5 Yiheyuan Road, Haidian District Beijing 100871, China	
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;	
ASSIGNOR said invent division, cor	W, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, a, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to tion and application throughout the United States of America, including any and all patents granted on any ntinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or tall examination thereof.	
ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.		
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.		
	SIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	
LEGAL N/	AME OF ASSIGNOR	
Assignor:	AN, Xia Date: 05/05/2022	
Signature:	/AN, Xia/	

PAGE 1 OF **5**

Attorney Docket Number	W22-ZJ-BJDX-US-0150	
Title of Invention	METHOD FOR CHARACTERIZING FLUCTUATION INDUCED BY HEAVY ION IRRADIATION IN A DEVICE AND APPLICATION THEREOF	
WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. Peking University WHEREAS,		
naving a po	stal address of No. 5 Yiheyuan Road, Haidian District Beijing 100871, China	
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;	
ASSIGNOR said invent division, con	N, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, to by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to ion and application throughout the United States of America, including any and all patents granted on any ntinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or all examination thereof.	
ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.		
referred to a use and bel which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole noof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment to been made.	
	SIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	
LEGAL NA	AME OF ASSIGNOR	
Assignor:	REN, Zhexuan Date: 05/05/2022	
Signature	/REN, Zhexuan/	

PAGE 2 OF 5

Sanananananananananananananananananan	************************************
Attorney Docket Number	W22-ZJ-BJDX-US-0150
Title of Invention	METHOD FOR CHARACTERIZING FLUCTUATION INDUCED BY HEAVY ION IRRADIATION IN A DEVICE AND APPLICATION THEREOF
WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. Peking University WHEREAS,	
having a postal address of No. 5 Yiheyuan Road, Haidian District Beijing 100871, China	
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.	
ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.	
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.	
	SIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL NA	AME OF ASSIGNOR
Assignor:	LI, Gensong Date: 05/05/2022
Signature:	/LI, Gensong/

PAGE 3 OF 5

Attorney Docket Number	W22-ZJ-BJDX-US-0150	
Title of Invention	METHOD FOR CHARACTERIZING FLUCTUATION INDUCED BY HEAVY ION IRRADIATION IN A DEVICE AND APPLICATION THEREOF	
WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. Peking University WHEREAS, having a postal address of		
	No. 5 Yiheyuan Road, Haidian District Beijing 100871, China	
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;	
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.		
prosecution additional d further cons communica ASSIGNOR be required encompass	SIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including ocuments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without sideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and te to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within is possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent ed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's utors, administrators and other legal representatives.	
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.		
	SIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	
LEGAL N/	ME OF ASSIGNOR	
Assignor:	ZHANG, Xing 05/05/2022	
Signature:	/ZHANG, Xing/	

PAGE 4 OF 5

Attorney Docket Number	W22-ZJ-BJDX-US-0150	
Title of Invention	METHOD FOR CHARACTERIZING FLUCTUATION INDUCED BY HEAVY ION IRRADIATION IN A DEVICE AND APPLICATION THEREOF	
	I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above. Peking University	
having a po	stal address of No. 5 Yiheyuan Road, Haidian District Beijing 100871, China	
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;	
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.		
ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.		
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.		
	SIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	
LEGAL NA	ME OF ASSIGNOR	
Assignor:	HUANG, Ru Date: 05/05/2022	
Signature:	/HUANG, Ru/	

PAGE 5 OF 5

PATENT REEL: 061638 FRAME: 0199