

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
HUARONG LIU	07/24/2020
XUEMING JIN	07/24/2020
YUXUAN QI	07/24/2020
XUEHUI WANG	07/24/2020
YIJING LI	07/24/2020
JUNTING WANG	07/24/2020
CHUNNING ZHENG	07/24/2020
QING QIAN	07/24/2020
TINGTING LUO	07/24/2020
ZHONGLIN DONG	07/24/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	38TH RESEARCH INSTITUTE, CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION
<b>Street Address:</b>	NO. 199, XIANGZHANG AVENUE
<b>Internal Address:</b>	HI-TECH ZONE
<b>City:</b>	HEFEI, ANHUI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	230088

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16966910

**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:** 919-854-1400**Email:** sfreedman@myersbigel.com**Correspondent Name:** MYERS BIGEL, P.A.**Address Line 1:** PO BOX 37428**Address Line 4:** RALEIGH, NORTH CAROLINA 27627

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	1484-14
<b>NAME OF SUBMITTER:</b>	SUSAN E. FREEDMAN
<b>SIGNATURE:</b>	/Susan E. Freedman/
<b>DATE SIGNED:</b>	08/03/2020

**Total Attachments: 11**

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Huarong LIU, Xueming JIN, Yuxuan QI, Xuehui WANG, Yijing LI, Junting WANG, Chunming ZHENG, Qing QIAN, Tingting LUO, and Zhonglin DONG**, all having a mailing address of No. 199, Xiangzhang Avenue, Hi-Tech Zone, Hefei, Anhui 230088 China;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **ELECTRON SOURCE OPERATING METHOD**, for which Chinese Patent Application No. **201811190748.7** was filed on **October 12, 2018**; for which PCT International Application No. **PCT/CN2018/124331** was filed on **December 27, 2018**; and for which U.S. Patent Application No. **16/966,910** was filed on **08-03-2020** in the U.S. Patent and Trademark Office (We hereby authorize and request Myers Bigel, P.A. to insert the filing date and application number of said application when known or to file this Assignment concurrently with the application); and

WHEREAS, **38th Research Institute, China Electronics Technology Group Corporation**, having an address of No. 199, Xiangzhang Avenue, Hi-Tech Zone, Hefei, Anhui 230088 China, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent not already assigned to the assignee, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Huarong LIU  
Huarong LIU

(SEAL)

Attorney Docket No. 1484-14

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Xueming JIN  
Xueming JIN

(SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Yuxuan QI (SEAL)  
Yuxuan QI



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Xuehui WANG (SEAL)  
Xuehui WANG

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Ying Li (SEAL)  
Ying Li



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Junting WANG

(SEAL)

Junting WANG

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

*Chunning ZHENG*  
Chunning ZHENG

(SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Qing QIAN  
Qing QIAN

(SEAL)

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Tingting Luo  
Tingting LUO

(SEAL)



Attorney Docket No. 1484-14

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24 day of July, 2020.

Zhonglin DONG

(SEAL)

Zhonglin DONG