

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAZUKO OKA	01/30/2018
HARUO IWABUCHI	01/30/2018
TAKAYA SATO	01/30/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JEOL LTD.
<b>Street Address:</b>	3-1-2 MUSASHINO, AKISHIMA
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	196-8558
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15895276
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
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<b>ATTORNEY DOCKET NUMBER:</b>	7797-1801382
<b>NAME OF SUBMITTER:</b>	DAVID C. HANSON, REG. NO. 23,024
<b>SIGNATURE:</b>	/David C. Hanson/
<b>DATE SIGNED:</b>	02/13/2018
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, said undersigned, Kazuko OKA, Haruo IWABUCHI and Takaya SATO, hereby sell and assign to JEOL Ltd. of 3-1-2 Musashino, Akishima, Tokyo 196-8558, JAPAN (hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention known as

## IONIZATION METHOD SELECTION ASSISTING APPARATUS AND METHOD

for which we have this day executed an application for United States Letters Patent.

The undersigned agree to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree 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 the Protection of Industrial Property or similar agreements.

The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize and request the Commissioner for Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant David C. Hanson (Registration No. 23,024); Richard L. Byrne (Registration No. 28,498) and Randall L. Notzen (Registration No. 36,882), whose address is One Gateway Center, 420 Ft. Duquesne Blvd., Suite 1200, Pittsburgh, Pennsylvania 15222, (Telephone No. 412-471-8815) 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.

In witness whereof, executed by the undersigned on the date opposite the undersigned's names.

Date January 30, 2018 Inventor Kazuko Oka  
Kazuko OKA

Date January 30, 2018 Inventor Haruo Iwabuchi  
Haruo IWABUCHI

Date January 30, 2018 Inventor Takaya Satoh  
Takaya SATO