

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4825956

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LUIGI MELE	03/02/2017
AURELIEN PHILIPPE JEAN MACLOU BOTMAN	01/25/2017
GREGORY A. SCHWIND	01/25/2017
SEAN KELLOGG	01/25/2017
LEON VAN KOUWEN	03/21/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FEI COMPANY
<b>Street Address:</b>	5350 NE DAWSON CREEK DR
<b>City:</b>	HILLSBORO
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97124
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15874798
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)306-1963
<i>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.</i>	
<b>Phone:</b>	512-637-0800
<b>Email:</b>	patents@scheinbergip.com
<b>Correspondent Name:</b>	JOHN B. KELLY
<b>Address Line 1:</b>	P. O. BOX 164140
<b>Address Line 4:</b>	AUSTIN, TEXAS 78716-4140
<b>ATTORNEY DOCKET NUMBER:</b>	F1280USCON
<b>NAME OF SUBMITTER:</b>	JOHN B. KELLY
<b>SIGNATURE:</b>	/john b kelly/
<b>DATE SIGNED:</b>	02/15/2018
<b>Total Attachments: 7</b>	
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## ASSIGNMENT

WHEREAS, UWe, Luigi Mele, resident of Eindhoven, Netherlands, (hereinafter called the "Assignors"), have invented certain new and useful invention entitled "COLLISION IONIZATION ION SOURCE," the specification of which:

- is attached hereto.
- was filed on January 12, 2017, and assigned U.S. Application No. 15/405,139.

WHEREAS, FEI Company, a company, having its principal place of business at 5350 NE Dawson Creek Drive, Hillsboro, Oregon 97124-5793 (herein called the "Assignee"), is desirous of acquiring and Assignors are desirous of assigning to FEI Company all right, title, and interest in and to said Invention, patents and patent applications on said Invention;

NOW, THEREFORE, Assignors, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby SELL, ASSIGN and CONVEY unto Assignee all right, title and interest throughout the world in and to said Invention, this assignment including, but not being limited to:

1. All applications for patent or like protection on said Invention made by Assignors or their legal representatives, whether in the United States of America or any other country or place anywhere in the world;
2. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extension, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws or statutes;
3. All rights of action on account of past, present and future unauthorized use of said Invention and for infringement of said patents and like protection;

4. The right to file in its name applications for patents and like protection for said Invention in any country or countries foreign to the United States; and

5. All international rights or priority associated with said Invention, applications for patents, patents and like protection.

I/We hereby authorize and request the Director of U.S. Patent and Trademark Office, and all other national patent offices in which corresponding applications are filed, to issue any patents for the said Invention to said Assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Assignors covenant that Assignors, their heirs, legal representatives, assigns, administrators, and executors will execute all papers and perform such other acts, with expenses if any to be paid by Assignee, as may be reasonably necessary to give Assignee, its successors and assigns, the full benefit of this Assignment. This Assignment shall be binding upon and shall inure to the benefit of the successors, assigns and legal representatives of the parties hereto.

EXECUTED on the date indicated below:

Date: 03-02-2017

By: Luigi Mele

Luigi Mele

Ekkerstraat 14, Eindhoven, 5616 SP, Netherlands

## ASSIGNMENT

WHEREAS, I/We, Gregory A. Schwind, resident of Portland, OR, United States, Aurelien Philippe Jean Maclou Botman, resident of Portland, OR, United States, Sean Kellogg, resident of Portland, OR, United States, Leon van Kouwen, resident of Rotterdam, Netherlands, (hereinafter called the "Assignors"), have invented certain new and useful invention entitled "COLLISION IONIZATION ION SOURCE," the specification of which:

- is attached hereto.
- was filed on January 12, 2017, and assigned U.S. Application No. 15/405,139.

WHEREAS, FEI Company, a company, having its principal place of business at 5350 NE Dawson Creek Drive, Hillsboro, Oregon 97124-5793 (herein called the "Assignee"), is desirous of acquiring and Assignors are desirous of assigning to FEI Company all right, title, and interest in and to said Invention, patents and patent applications on said Invention;

NOW, THEREFORE, Assignors, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby SELL, ASSIGN and CONVEY unto Assignee all right, title and interest throughout the world in and to said Invention, this assignment including, but not being limited to:

1. All applications for patent or like protection on said Invention made by Assignors or their legal representatives, whether in the United States of America or any other country or place anywhere in the world;
2. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extension, and the like of said applications and patents and like grants, including

without limitation, those obtained or permissible under past, present and future laws or statutes;

3. All rights of action on account of past, present and future unauthorized use of said Invention and for infringement of said patents and like protection;

4. The right to file in its name applications for patents and like protection for said Invention in any country or countries foreign to the United States; and

5. All international rights or priority associated with said Invention, applications for patents, patents and like protection.

I/We hereby authorize and request the Director of U.S. Patent and Trademark Office, and all other national patent offices in which corresponding applications are filed, to issue any patents for the said Invention to said Assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

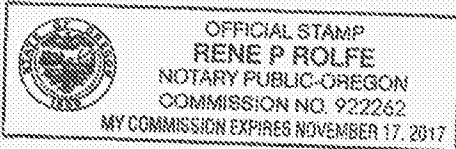
Assignors covenant that Assignors, their heirs, legal representatives, assigns, administrators, and executors will execute all papers and perform such other acts, with expenses if any to be paid by Assignee, as may be reasonably necessary to give Assignee, its successors and assigns, the full benefit of this Assignment. This Assignment shall be binding upon and shall inure to the benefit of the successors, assigns and legal representatives of the parties hereto.

EXECUTED on the date indicated below:

Date: Jan 25, 2017 By: [Signature]  
Gregory A. Schwind

State of Oregon ) §  
County of Washington ) §

Before me personally appeared said Gregory A. Schwind, and acknowledged the foregoing instrument to be his free act and deed this 25th day of January, 2017.



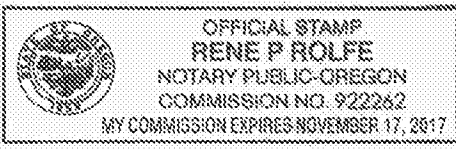
[Signature]  
Notary Public  
My Commission Expires: 11/17/2017

EXECUTED on the date indicated below:

Date: 1/25/17 By: [Signature]  
Aurelien-Philippe Jean Maclou Botman

State of Oregon ) §  
County of Washington ) §

Before me personally appeared said Aurelien Philippe Jean Maclou Botman, and acknowledged the foregoing instrument to be his free act and deed this 25th day of January, 2017.



[Signature]  
Notary Public  
My Commission Expires: 11/17/2017

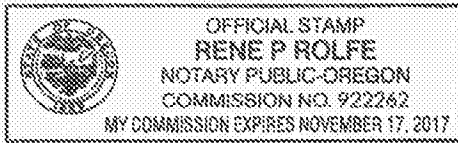
EXECUTED on the date indicated below:

Date: 1/25/17

By: Sean Kellogg  
Sean Kellogg

State of Oregon ) §  
County of Washington ) §

Before me personally appeared said Sean Kellogg, and acknowledged the foregoing instrument to be his free act and deed this 25<sup>th</sup> day of January, ~~2016~~ 2017,



[Signature]  
Notary Public

My Commission Expires: 11/17/2017



EXECUTED on the date indicated below:

Date 21-March-2017 By 

Leon van Kouwen  
Hugo Molenaarstraat 28A  
Rotterdam, 3022 NS, Netherlands