

## 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>
DMITRY E. GRINFELD	03/03/2016
ALEXANDER A. MAKAROV	02/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Thermo Fisher Scientific (Bremen) GmbH
<b>Street Address:</b>	Hanna-Kunath-Str. 11
<b>City:</b>	Bremen
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	28199
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16245023
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)249-1383
<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>	408-965-6048
<b>Email:</b>	carina.frazer@thermofisher.com
<b>Correspondent Name:</b>	THERMO FISHER SCIENTIFIC INC.
<b>Address Line 1:</b>	355 RIVER OAKS PARKWAY
<b>Address Line 2:</b>	IP DEPT.
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134
<b>ATTORNEY DOCKET NUMBER:</b>	TP20081US2-NAT
<b>NAME OF SUBMITTER:</b>	CARINA FRAZER
<b>SIGNATURE:</b>	/Carina Frazer/
<b>DATE SIGNED:</b>	11/07/2019
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

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WHEREAS, I, **DMITRY E. GRINFELD**

of **c/o Thermo Fisher Scientific (Bremen) GmbH, Hanna-Kunath-Str.11, 28199 Bremen, Germany,**

have invented certain new and useful improvements as described in an application entitled

### **ION BEAM MASS PRE-SEPARATOR**

for Letters Patent of the United States filed on March 3, 2016 and/or being identifiable in the United States Patent and Trademark Office by Serial No. 15/060,474; and

WHEREAS, **THERMO FISHER SCIENTIFIC (BREMEN) GMBH,**

a corporation organized and existing under the laws of **Germany** and having offices at **Hanna-Kunath-Str. 11, 28199 Bremen, Germany.**

(Assignee), is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries. I hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.

  
.....  
DMITRY B. GRINFELD

Date: 03/03/2016

  
.....  
Witness Signature  
Name: CHRISTINA BECK  
Address: Hanna-Kunath-Str. 11  
28199 Bremen

  
.....  
Witness Signature  
Name: Konstantin Hildebrand  
Address: Hanna-Kunath-Str. 11  
28199 Bremen

## ASSIGNMENT

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WHEREAS, I, **ALEXANDER A. MAKAROV**

of **Thomas-Mann Str. 10A, 28213 Bremen, Germany,**

have invented certain new and useful improvements as described in an application entitled

### **ION BEAM MASS PRE-SEPARATOR**

for Letters Patent of the United States filed on March 3, 2016 and/or being identifiable in the United States Patent and Trademark Office by Serial No.

15/060,474; and

WHEREAS, **THERMO FISHER SCIENTIFIC (BREMEN) GMBH,**

a corporation organized and existing under the laws of **Germany** and having offices at **Hanna-Kunath-Str. 11, 28199 Bremen, Germany.**

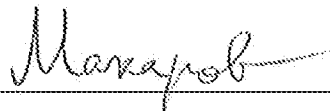
(Assignee), is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries. I hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.



ALEXANDER A. MAKAROV

Date: Feb. 29, 2016

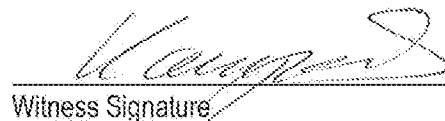


Witness Signature

Name: Denise Ryggard

Address: Hanna-Kunath-Str. 11

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Witness Signature

Name: Stefan Kampels

Address: Hanna-Kunath-Str. 11

28199 Bremen