

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2989246

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DAVID J. LANGRIDGE	08/11/2014
	DANIEL JAMES KENNY	08/11/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MICROMASS UK LIMITED	
<b>Street Address:</b>	STAMFORD AVENUE	
<b>Internal Address:</b>	ALTRINCHAM ROAD	
<b>City:</b>	WILMSLOW	
<b>State/Country:</b>	UNITED KINGDOM	
<b>Postal Code:</b>	SK9 4AX	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14344938	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>Email:</b>	mail@dwpatentlaw.com	
<b>Correspondent Name:</b>	DIEDERIKS & WHITELAW, PLC	
<b>Address Line 1:</b>	13885 HEDGEWOOD DRIVE	
<b>Address Line 2:</b>	SUITE 317	
<b>Address Line 4:</b>	WOODBIDGE, VIRGINIA 22193	
<b>ATTORNEY DOCKET NUMBER:</b>	DEH245US	
<b>NAME OF SUBMITTER:</b>	NICHOLAS S. WHITELAW	
<b>SIGNATURE:</b>	/Nicholas S. Whitelaw/	
<b>DATE SIGNED:</b>	08/20/2014	
<b>Total Attachments: 2</b>		
source=Assignment#page1.tif		
source=Assignment#page2.tif		

## ASSIGNMENT

WHEREAS, David J. Langridge and Daniel James Kenny whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, (is (are) the owner of certain new and useful improvements in Performance Improvements for RF-Only Quadrupole Mass Filters and Linear Quadrupole Ion Traps with Axial Ejection (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

- ☐ executed on even date herewith  
☐ executed on:  
☒ filed on: March 14, 2014 Serial No. 14/344,938  
☐ established by PCT International Patent Application No.: Filed:

WHEREAS, Micromass UK Limited

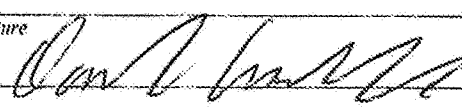
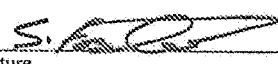
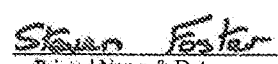
Whose post office address is Stamford Avenue, Altrincham Road, Wilmslow, UK SK9 4AX  
Hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to the said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, 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 application(s) or inventor certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, 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 United States Letters Patent 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 Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this agreement and sale not been made.

ASSIGNOR authorizes any member of DIEDERIKS & WHITELAW, PLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name David J. Langridge	Address 19 Ingersly Road Bollington Macclesfield, GB SK10 5RE
Where Signed WILMSLOW, UK	
Date 11-AUG-2014	Signature 
Witnesses: 	Signature 
Signature	Printed Name & Date S. Foster 11/Aug/2014
Signature	Printed Name & Date

☒ See following page(s) for additional joint assignees

UTILITY -WORLD-NOTARIZATION  
Atty Docket: DEH245US

Assignor Name Daniel James Kenny	Address Grove Farm House Westfield Drive Knutsford, GB WA16 0BL
Where Signed MANCHESTER, UK	
Date 11 AUG 2014	Signature D. Kenny
Witnesses:	
Signature S. Foster	Signature Steven Foster 11/Aug/2014
Signature	Printed Name & Date
Signature	Printed Name & Date

Assignor Name	Address
Where Signed	
Date	Signature
Witnesses:	
Signature	Printed Name & Date
Signature	Printed Name & Date

Assignor Name	Address
Where Signed	
Date	Signature
Witnesses:	
Signature	Printed Name & Date
Signature	Printed Name & Date

☐ See following page(s) for additional joint assignees