### 504187964 01/20/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4234639

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                 | Execution Date |
|----------------------|----------------|
| KEVIN GILES          | 11/22/2016     |
| MARTIN RAYMOND GREEN | 11/21/2016     |
| JASON LEE WILDGOOSE  | 11/22/2016     |

#### **RECEIVING PARTY DATA**

| Name:             | MICROMASS UK LIMITED |
|-------------------|----------------------|
| Street Address:   | STAMFORD AVENUE      |
| Internal Address: | ALTRINCHAM ROAD      |
| City:             | WILMSLOW             |
| State/Country:    | UNITED KINGDOM       |
| Postal Code:      | SK9 4AX              |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15118710 |

#### **CORRESPONDENCE DATA**

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| ATTORNEY DOCKET NUMBER: | DEH343US               |  |
|-------------------------|------------------------|--|
| NAME OF SUBMITTER:      | NICHOLAS S. WHITELAW   |  |
| SIGNATURE:              | /Nicholas S. Whitelaw/ |  |
| DATE SIGNED:            | 01/20/2017             |  |

**Total Attachments: 2** 

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PATENT 504187964 REEL: 041023 FRAME: 0766

UTILITY -WORLD
Atty Docket: DEH343US

#### ASSIGNMENT

|        | WHEREAS, Kevin Giles, Martin Raymond Green and<br>e post office address(es) appear(s) below, hereinafter referre<br>seful improvements in Flushing Ion Mobility Separation | red to as ASSIGNOR, (is (are) the owner of certain | new   |
|--------|--|--|-------|
| (herei | nafter referred to as the INVENTION) for which an applica  | ation for United States Letters Patent was         |       |
|        | executed on even date herewith   |  |       |
|        | executed on:   |  |       |
|        | filed on: August 12, 2016 Serial No. 15/118  | 1 <b>8,7</b> 10                                    |       |
|        | established by PCT International Patent Application No   | Vo.: Filed:  |       |
|        | WHEREAS, Micromass UK Limited  |  |       |
| Whose  | e post office address is Stamford Avenue, Altrincham Road  | d, Wilmslow, UK SK9 4AX                            |       |
|        | nafter referred to as ASSIGNEE, is desirous of acquiring the   |  | in th |
|        | f States and throughout the world;   |  |       |

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, 1 (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 ASSIGNOE 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 Kevin Giles | Address 19 Bonington Rise                     |
|---------------------------|---|
| Where Signed WILMSLOW     | Marple Bridge Stockport, Cheshire, GB SK6 5DW |
| Dale 22nd Nov 2016        | Signature Kerm bus                            |
| Witnesses: Signature      | Stoven Foster 22/11/2016. Printed Name & Date |
| Signature                 | Printed Name & Date                           |

See following page(s) for additional joint assignors

PATENT REEL: 041023 FRAME: 0767

# UTILITY -WORLD Atty Docket: DEH343US

| Martin Raymond Green  Where Signed           | Grangecroft 26 Grange Road Bowdon, Cheshire, GB WA14 3EE |
|--|--|
| Date 2012 2014                               | Signature A C C  |
| 21 WOV 2016  Witnesses: Signature  Signature | Staven Estar 21/11/2016. Printed Name & Date             |
|  |  |
| Assignor Name Jason Lee Wildgoose            | Address 110 Barcicroft Road                              |
| Where Signed                                 | Heaton Mersey  |
| WILMSLOW                                     | Stockport, GB SK4 3PJ                                    |
| 72 Nov 2016                                  | Signature / Willym                                       |
| Witnesses:                                   |  |
| Signature                                    | Staven Fostor 22/11/2016 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 assignors

PATENT REEL: 041023 FRAME: 0768

**RECORDED: 01/20/2017**