503643219 01/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3689852

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
RICHARD CHAPMAN	12/15/2015
JEFFERY MARK BROWN	12/16/2015
PAUL MURRAY	12/15/2015
KEITH RICHARDSON	01/06/2016
EMMY MARIA HOYES	12/15/2015

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:	14776036

CORRESPONDENCE DATA

Fax Number:

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.

Email: mail@dwpatentlaw.com

Correspondent Name: DIEDERIKS & WHITELAW, PLC **Address Line 1:** 13885 HEDGEWOOD DRIVE

Address Line 2: SUITE 317

Address Line 4: WOODBRIDGE, VIRGINIA 22193

ATTORNEY DOCKET NUMBER:	DEH285US	
NAME OF SUBMITTER:	NICHOLAS S. WHITELAW	
SIGNATURE:	/Nicholas S. Whitelaw/	
DATE SIGNED: 01/11/2016		
	1	

Total Attachments: 3

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif

UTILITY -WORLD
Atty Docket: DEH285US

ASSIGNMENT

	WHEREAS, Richard Chapman,	Jeffery Mark Brown, Paul Murray,	, Keith Richardson
and i	mmy Maria Hoyes	,	
whose	post office address(es) appear(s) be	low, hereinafter referred to as ASSI	GNOR, (is (are) the owner of certain new
	seful improvements in Data Directed		
	nafter referred to as the INVENTION		
<u></u>	executed on even date herewith	,	
Ħ	executed on:		
ᅜ	filed on: September 14, 2015	Serial No. 14/776,036	
	established by PCT International		Filed:
ш	established by I C1 International	ratent Appacadon No	i nea.
	WHEREAS, Micromass UK Limi	ited	
Whose	post office address is Stamford Ave		IIK SK94AX
			title and interest in and to the same in the
	States and throughout the world;	shous of acquiring the chare right,	and and interest at and to are some at are
Oraței	ource and proughout the world,		
	NOW THEREFORE for good as	nd valuable consideration, receipt o	f which is hereby acknowledged, I (we),
ASSIC	NOR, do sell, assign and transfer un		
			ing any and all United States Letters
			of said application; and the entire right,
			ing the right to apply for patents and
			accorded ASSIGNOR under the terms of
			ations and treaties; and the entire right,
			els, patents of importation, revalidation
patent	and inventor certificates which may	be granted throughout the world	n respect of said INVENTION.
	ALCO ACCICNODA		. Her and the second se
0			gally may be required in connection with
			application(s) or inventor certificate(s) in
			litional documents that may be required
	n the rights of ASSIGNEE in and to		
	without further consideration and a		
			that are within ASSIGNOR'S possession
			NEE that lawfully may be required of
			nt application or patent encompassed
within	the terms of this instrument. ASSIGI	NOR'S obligations under this instru	ment shall extend to ASSIGNOR'S heirs,

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.

executors, administrators and other legal representatives.

Assignor Name Richard Cha	pman	Address	4 Long Spinney
Where Signed WILMSLi	W		Norton Cross Runcorn, GB WA7 6PH
Date 15-11 SECEMB	in 7015	Signature	Allo
Witnesses: Signature		Stove. Printed N	Sec - 15/12/2015
Signature		Printed	Name & Date

See following page(s) for additional joint assignees

UTILITY -WORLD-NOTARIZATION Atty Docket: DEH285US

Assignor Name Jeffery Mark Brown	Address Dial House, Old Hall Lane
Where Signed J. Brown. WILMSLOW	Mottram-in-Longdendale Hyde, Cheshire, GB SK14 6LT
Date 16 DEC 2015.	Signature J. Branch .
Witnesses: Signature	Steven Fester 15/12/2015 Printed Name & Date
Signature	Printed Name & Date
Assignor Name Paul Murray Where Signed WILMS LOW Date 15 DEC 2015	76 Tamworth Avenue Whitefield Manchester, GB M45 6UA
Witnesses: Signature	Stories Fester 15/12/2015 Printed Name & Date
Signature	Printed Name & Date
Assignor Name Keith Richardson Where Signed Wilmslow	89 Marsh Lane New Mills, High Peak Derbyshire, GB SK22 4PP
Date 6-Jan-2016	Signature K. G. Li
Witnesses: Signature	Frinted Name & Date
Signature	Printed Name & Date

See following page(s) for additional joint assignees

UTILITY -WORLD-NOTARIZATION Atty Docket: DEH285US

Emmy Maria Hoyes Where Signed	Lily Bank Farm Cottage Higher Banks
WILMSLOW	Mellor, GB SK6 5ND
Date 15 DEC 2015	Signature Imp Im
Witnesses:	Steven fotor 15/12/2005
Signature	Stovers 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

PATENT REEL: 037454 FRAME: 0089

RECORDED: 01/11/2016