

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4445539

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the POSTAL CODE previously recorded on Reel 042163 Frame 0206. Assignor(s) hereby confirms the ASSIGNMENT.		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
EMAN DAHMASH			10/02/2016
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	ASTON UNIVERSITY		
<b>Street Address:</b>	ASTON TRIANGLE		
<b>City:</b>	BIRMINGHAM		
<b>State/Country:</b>	GREAT BRITAIN		
<b>Postal Code:</b>	B4 7ET		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	15522422		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(704)444-1111		
<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>			
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<b>Email:</b>	usptomail@alston.com		
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<b>Address Line 2:</b>	101 S TRYON STREET SUITE 4000		
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28280-4000		
<b>ATTORNEY DOCKET NUMBER:</b>	038941/497046		
<b>NAME OF SUBMITTER:</b>	R. FLYNT STREAN		
<b>SIGNATURE:</b>	/R. Flynt Strean/		
<b>DATE SIGNED:</b>	06/06/2017		
<b>Total Attachments: 6</b>			
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4387786

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	EMAN DAHMASH	10/02/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ASTON UNIVERSITY	
<b>Street Address:</b>	ASTON TRIANGLE	
<b>City:</b>	BIRMINGHAM	
<b>State/Country:</b>	GREAT BRITAIN	
<b>Postal Code:</b>	28280-4000	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15522422
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(704)444-1111	
<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>	704-444-1000	
<b>Email:</b>	usptomail@alston.com	
<b>Correspondent Name:</b>	ALSTON & BIRD LLP	
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<b>Address Line 2:</b>	101 SOUTH TRYON STREET, SUITE 4000	
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28280-4000	
<b>ATTORNEY DOCKET NUMBER:</b>	038941/497046	
<b>NAME OF SUBMITTER:</b>	R. FLYNT STREAN	
<b>SIGNATURE:</b>	/R. Flynt Strean/	
<b>DATE SIGNED:</b>	04/27/2017	
<b>Total Attachments: 5</b>		
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## ASSIGNMENT OF INVENTION & RELATED INTELLECTUAL PROPERTY RIGHTS

### PARTIES

- (1) **EMAN DAHMASH** of 57 Warwick Crest, Arthur Road, Edgbaston, West Midlands, B15 2LH, United Kingdom (the **Inventor**); and
- (2) **ASTON UNIVERSITY** incorporated and registered in England & Wales of Aston Triangle, Birmingham, West Midlands, B4 7ET, United Kingdom (the **Assignee**).

### BACKGROUND

The Inventor is an inventor of the Invention for which the Patents Applications have been or will be filed. By virtue of an agreement between the Parties, and in order to provide documentary evidence that the Assignee is the owner of both the legal title and the beneficial interest in the Patent Applications and in any contributions of the Inventor to the Invention, including any further contributions that the Inventor may make to the development or improvement of the Invention, the Inventor has agreed to assign to the Assignee all his rights, title and interest in, to and arising from the Invention and the Patent Applications on the terms set out in this Assignment.

### AGREED TERMS

#### 1. INTERPRETATION

- 1.1 The definitions and rules of interpretation in this clause apply in this Assignment.

**Completion Applications** means the completion patent applications, short particulars of which are set out in Part 2 of the Schedule.

**Future Applications** means any future applications linked by one or more priorities to the Completion Applications and all matter contained in such future applications.

**Invention** means the invention or inventions entitled COATING APPARATUS AND METHOD.

**Patent Applications** means the Priority Applications, the Completion Applications and the Future Applications and any and all:

- (a) national and regional phase applications of all such applications; and
- (b) divisions, continuations and continuations-in-part of all such applications; and
- (c) patents that may be granted pursuant to any of the aforesaid applications for their full period, including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates.

**Priority Applications** means the priority patent applications, short particulars of which are set out in Part 1 of the Schedule.

- 1.2 A **person** includes a natural person, corporate or unincorporated body (whether or not having separate legal personality) and that person's legal and personal representatives, successors and permitted assigns.

## 2. ASSIGNMENT

In consideration of the sum of £1 (sufficiency and receipt of which the Inventor expressly acknowledges), the Inventor hereby assigns absolutely to the Assignee all his right, title and interest in Canada, the United States and all other countries of the world in, to and arising from the Invention and, with effect from immediately prior to the filing of each, the Patent Applications including (but not limited to):

- (a) in respect of the Invention and any invention that shall be disclosed in, and all matter that shall be contained in, any of the Patent Applications, the right to file applications, claim priority from such applications, and prosecute and obtain grant of patent or other intellectual property protection in respect of any country, region or territory in the world;
- (b) in respect of each and any Patent Application:
  - (i) the right to claim priority from and to prosecute and obtain grant of patents; and
  - (ii) the right to file divisional applications based on the Patent Applications and to prosecute and obtain grant of patent on each and any such divisional application;
- (c) the right to extend to or register in or in respect of any country, region or territory in the world each and any of the Patent Applications and to extend to or register in, or in respect of, any country, region or territory in the world any patent or other intellectual property protection granted on any of such applications;
- (d) the absolute entitlement to any patents granted pursuant to any Patent Application; and
- (e) the right to bring, make, oppose or defend claims or actions, appeal proceedings and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership of the Inventions and the Patent Applications, whether occurring before on or after the date of this Assignment.

**3. FURTHER ASSURANCE**

The Inventor shall, at the Assignee's cost, perform all further acts and things, and execute all further documents, required by law or which the Assignee requests to vest in the Assignee the full benefit of the right, title and interest assigned to the Assignee under this Assignment, including (but not limited to):

- (a) documents required to be signed by or on behalf of the Inventor in the course of any and all Canadian or United States or any other applications which relate to the Invention or to any inventions that shall be disclosed in any of the Patent Applications;
- (b) registration of the Assignee as applicant for, or proprietor of, the Patent Applications; and
- (c) assisting the Assignee in obtaining, defending and enforcing any of the Patent Applications, and assisting with any other proceedings which may be brought by or against the Assignee by any third party or in the resolution of any question concerning the Invention, or the Patent Applications or any inventions that shall be disclosed in any of the Patent Applications.

**4. POWER OF ATTORNEY**

The Inventor and the Assignee grant the firm of Mewburn Ellis LLP the power to insert in Part 3 of the Schedule to this Assignment any further identification of any existing or future patent applications in Canada or the United States or any other countries, regions or territories of the world, which shall fall within the scope of clause 2 above, or as may be necessary or desirable in order to comply with the rules of the United States Patent Office or the Canadian Patent Office or any other patent office for the recordal of this Assignment. It is agreed that Mewburn Ellis LLP has represented only the Assignee and will continue to represent only the Assignee with respect to this Assignment.

**5. ISSUE OF PATENTS**

The Inventor requests the US Commissioner of Patents and the relevant authorities in all countries, regions and territories of the world to issue any patents granted for the Invention or pursuant to any of the Patent Applications in the name of the Assignee (either alone or jointly with any co-applicant) in accordance with this Assignment.

**6. WAIVER**

No failure or delay by a party to exercise any right or remedy provided under this Assignment or by law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy

shall preclude or restrict the further exercise of that or any other right or remedy.

**7. COUNTERPARTS**

This Assignment may be executed in any number of counterparts, each of which when executed shall constitute an original of this Assignment, but all the counterparts shall together constitute the same agreement.

**8. GOVERNING LAW AND JURISDICTION**

This Assignment shall be governed by and construed in accordance with the law of England and Wales. The parties agree that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with this Assignment.

**Schedule: The Patent Applications**

**Part 1: Priority Applications**

Country	Application No.	Application Date	Title
UK	1419308.0	30 October 2014	COATING APPARATUS AND METHOD
UK	15087472.6	18 May 2015	COATING APPARATUS AND METHOD

**Part 2: Completion Applications**

Country/region	Application No.	Application Date	Title
WO	PCT/EP2015/074124	19 October 2015	COATING APPARATUS AND METHOD

**Part 3: Identification of some, but not necessarily all, patent applications falling within the scope of clause 2 of this Assignment**

Country/region	Application No.	Application Date	Title	Signature for Mewburn Ellis LLP

Executed by **EMAN DAHMASH** in  
the presence of:

E. Dahmash  
SIGNATURE OF INVENTOR

D. Lowry

SIGNATURE OF WITNESS

NAME: **DEBORAH LOWRY**

ADDRESS: **ASTON PHARMACY SCHOOL, ASTON UNIVERSITY, BIRMINGHAM**

OCCUPATION: **LECTURER**

DATE: **10/02/16**

Executed by **ASTON**  
**UNIVERSITY** acting by  
**Paul Mesopotamou** authorised  
signatory, in the presence of:

Paul Mesopotamou  
SIGNATURE OF AUTHORISED  
SIGNATORY  
**Pro Vice Chancellor Research and  
Enterprise**

Martin Day

SIGNATURE OF WITNESS

NAME: **MARTIN DAY**

ADDRESS: **ASTON UNIVERSITY, BIRMINGHAM, B4 7ET.**

OCCUPATION: **KIP MANAGER**

DATE: **12.02.2016**