

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CONOR HARKIN	10/24/2017
RYAN GARRETT	10/19/2017
BRUCE MURPHY	10/19/2017
JAMES REDMOND	10/02/2017
MICHAEL BURKE	10/24/2017
RIONA NI GHRIALLAIS	10/24/2017
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15351282
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DATE SIGNED:	10/25/2017
Total Attachments: 4 source=52971003003Assignments#page1.tif source=52971003003Assignments#page2.tif source=52971003003Assignments#page3.tif source=52971003003Assignments#page4.tif	

JointASSIGNMENT

WHEREAS, we, **Conor Harkin, Ryan Garrett, Bruce Murphy, James Redmond, Michael Burke and Riona Ní Ghriallais**, have invented a certain improvement in **Implantable Biocompatible Expander Suitable For Treatment Of Constrictions Of Body Lumen** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **15/351,282**, filed **November 14, 2016**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed , which designates the United States of America [and is assigned United States Application No.];
- which was patented under United States Patent No. [].

WHEREAS, **The Provost, Fellows, Foundation Scholars, & The Other Members of Board, of The College of The Holy & Undiv. Trinity of Queen Elizabeth, Near Dublin** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of **Ireland**, and having a usual place of business at **College Green, Dublin 2, Ireland** desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest

therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor Conor Harkin Date 24/10/2017
 Conor Harkin

Witness Signature [Signature]
 Print Witness Name NOEL REYNOLDS

Witness Signature [Signature]
 Print Witness Name JOHN DUFFY

Inventor Ryan Garret Date 19th Oct 2017
 Ryan Garret

Witness Signature [Signature]
 Print Witness Name LUCY O'KEEFE

Witness Signature [Signature]
 Print Witness Name PAUL HENEGHAN

Inventor _____ Date _____
Bruce Murphy

Witness Signature _____
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Witness Signature _____
Print Witness Name _____

Inventor James Redmond Date 22/10/2017
James Redmond

Witness Signature Noel G. Redmond
Print Witness Name NOEL G. REDMOND

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Inventor _____ Date _____
Michael Burke

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Inventor _____ Date _____
Riona Ní Ghriallais

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Inventor Bruce Murphy Date 19/10/17
Bruce Murphy

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Print Witness Name Melissa Caffrey

Inventor _____ Date _____
James Redmond

Witness Signature _____
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Inventor Michael Burke Date 24-01-2017
Michael Burke

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Print Witness Name NOEL REYNOLDS

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Inventor Riona Ni Ghriallais Date 24 Oct 2017
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