506431073 01/04/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6477840

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Wildon Farwell	02/04/2019
John Staropoli	02/01/2019
Guolin Zhao	02/05/2019
Alexander McCampbell	02/04/2019
Christopher Cody Stebbins	02/05/2019

RECEIVING PARTY DATA

Name:	BIOGEN MA INC.	
Street Address:	225 BINNEY STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02142	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16963914

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: (212) 765-5070
Email: apsi@fr.com
Correspondent Name: JACK BRENNAN

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	13751-0296US1	
NAME OF SUBMITTER:	CAROL TYRRELL	
SIGNATURE:	/Carol Tyrrell/	
DATE SIGNED:	01/04/2021	

Total Attachments: 8

PATENT REEL: 054890 FRAME: 0477

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PATENT REEL: 054890 FRAME: 0478

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>WILDON FARWELL</u>, <u>JOHN STAROPOLI</u>, <u>GUOLIN ZHAO</u>.

<u>ALEXANDER MCCAMPBELL</u>, and <u>CHRISTOPHER CODY STEBBINS</u>, each individually assign to <u>BIOGEN MA INC</u>., a corporation formed under the laws of <u>Massachusetts</u> and having a principal place of business at <u>225 Binney Street</u>, <u>Cambridge</u>, <u>MA 02142</u>, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "<u>METHODS OF TREATING SPINAL</u>.

<u>MUSCULAR ATROPHY</u>," and was filed in the International Burcau of WIPO on <u>January 25</u>, 2019, as application <u>PCT/US2019/015185</u> (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and

Assignment Page 1 of 4

declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Wildon Farwell	Date: <u>04 FEB 2019</u>
Witnessed by: Signature: MUMUL RADI Print Name: MCMIL RADI	Date: <u>February 4,</u> 2010
John Staropeli	Date:
Witnessed by: Signature:	Date:
Print Name:	

Assignment Page 2 of 4

Guolin Zhao	Date: <u>05 - 7-15-18 - 2019</u>
Witnessed by: Signature: MUNIVERMAN Print Name: MICHEL ROAN	Date: February 5,2019
Alexander McCampbell	Date:
Witnessed by: Signature: Print Name:	Date:

Assignment Page 3 of 4

Christopher Cody Stebbins	Date: 5 FSS 2019
Witnessed by: Signature: MOULI RADA Print Name: MOULI RADA	Date: February 52019
	\$
The Assignee hereby acknowledges and acce	pts the foregoing assignment.
Assignee: BIOGEN MA INC. Signature: Lizabeth I	Date: <u>2/7/2019</u> Hurley
Name: Enzapean a Assistant Se Title: IP Cour	ecretary

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Assignment Page 4 of 4

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, <u>WILDON FARWELL</u>, <u>JOHN STAROPOLI</u>, <u>GUOLIN ZHAO</u>.

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Assignment Page 1 of 4

declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

	Date:
Wildon Farwell	
Witnessed by:	
Signature:	Date:
Print Name:	
An Maybli	Date: $2/\sqrt{2p/Q}$
John Staropoli	
Witnessed by:	
Signature Signature	Date: 2/1/19
Print Name: SARAH & SIERAH	-Coeme

	Date:
Guolin Zhao	*
Witnessed by:	· ·
Signature:	Date:
Print Name:	-
ť	
Alle SAU	Date: 2/9/19
Alexander McCampbell	
Witnessed by:	: ✓
Signature: Ward St. U.C.	Law X/2 Date: 2/4/19

Print Name: Welly LAS Loach

Attorney Docket No.: 13751-0296WO1 / P1429 WO 001

Assignment Page 3 of 4

	Date: 5 FSB 2019
Christopher Cody Stebbins	
Witnessed by:	and the second s
Signature: MONILL RADA	Date: February 52019
Print Name: MONETE RUNA!	
	d d
The Assignee hereby acknowledges and acce	pts the foregoing assignment.
Assignee: BIOGEN MA INC.	Î 3
Signature: Cipy T	
Name: Elizabeth I	-furley
Assistant Se	crewy rel
\$1. 4. XXX	N. W.

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