PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4832584

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BIOGEN INC.	02/06/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	61452807
Application Number:	14936228
Application Number:	15695587
Patent Number:	9198955

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	AYDIN H. HARSTON, PH.D., 65,249
SIGNATURE: /Aydin H. Harston/	
DATE SIGNED:	02/21/2018

Total Attachments: 3

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> **PATENT** REEL: 044984 FRAME: 0347

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PATENT REEL: 044984 FRAME: 0348

PATENT ASSIGNMENT AGREEMENT

For valuable consideration, and made as of February 62018 Biogen Inc., a corporation of Delaware having a place of business at 225 Binney Street, Cambridge, Massachusetts 02142 ("the Assignor"), hereby assigns to Biogen MA, Inc., a corporation of Massachusetts having a place of business at:

225 Binney Street Cambridge, Massachusetts 02142,

and its successors and assigns (collectively hereinafter called "the Assignee") and the Assignee hereby assumes and accepts, Assignor's entire right, title and interest throughout the world in the inventions and improvements which are the subject of the patent(s) and patent application(s) listed on Schedule A attached hereto, this assignment including said patent(s) and patent applications, including continuation, continuation-in-part, divisional, reissue, and reexamination applications, including continuation, continuation-in-part, divisional, reissue, and reexamination applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said patent(s) and/or patent application(s) under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and Assignor authorizes the Assignee to apply in all countries in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement.

[SIGNATURE PAGE FOLLOWS]

PATENT REEL: 044984 FRAME: 0349 SIGNED, on behalf of the said Assignor,

PROOF OF EXECUTION.

BIOGEN, INC.
By:
IP Counsel
SIGNED, on behalf of the said Assignee
By: Name: Elizabeth Hurley IP Counsel
WITNESS: (optional)
By: MWNLLL RADI
Typed Name: Michelle Raddi
Date: February 6, 2018
WITNESS: (optional) By: Signature
Typed Name: Carol Colschorn
Date: February 6, 2018
NO LEGALIZATION REQUIRED. MAY BE NOTARIZED IF DESIRED FOR FURTHER

PATENT REEL: 044984 FRAME: 0350

SCHEDULE A

Case Ref.	Official No.	Title
2790-0115AU	2012229104	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115BR	BR112013023609-4	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115CA	2846786	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115CN	CN 103702680 A	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115EA	028448	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115EP	EP 2 686 002 B1	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115HK	1192473A	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115IL	228425	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115IN	8915/DELNP/2013	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115JP	2013-558168	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115JP2	2017-170640	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115KR	2013-7027053	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115MX	MX/a/2013/010507	The use of interferon-B-1a in the manufacture of a medicament and a titration package containing interferon-B-1a for reducing the severity of flu-like symptoms associated with treating a patient having multiple sclerosis
2790-0115NZ	616536	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115NZ- D01	712273	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115PCT	WO 2012/125809	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115SG	193446	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115US	61/452807	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0115US- NP01	9198955	METHOD FOR REDUCING FLU-LIKE SYMPTHOMS ASSOCIATED WITH INTRAMUSCLAR ADMINISTRATION OF INTERFERON USING A FAST TITRATION ESCALATING DOSING REGIMEN
2790-0115ZA	2013/06933	Method for Reducing Flu-like Symptoms associated with Intramuscular Administration of Interferon using a fast Titration Escalating Dosing Regimen
2790-0157US	14936228	METHOD FOR REDUCING FLU-LIKE SYMPTOMS ASSOCIATED WITH INTRAMUSCULAR ADMINISTRATOIN OF INTERFERON USING A FAST TITRATION ESCALATING DOSING REGIMEN
2790-0157US2	15695587	METHOD FOR REDUCING FLU-LIKE SYMPTOMS ASSOCIATED WITH INTRAMUSCULAR ADMINISTRATOIN OF INTERFERON USING A FAST TITRATION ESCALATING DOSING REGIMEN

PATENT REEL: 044984 FRAME: 0351

RECORDED: 02/21/2018