

A 7582040



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April 28, 2016

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R GLOVER
Certifying Officer



501908607 05/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Matvey E. LUKASHEV</td> <td>12/06/2010</td> </tr> <tr> <td>Gilmore O'NEILL</td> <td>10/27/2011</td> </tr> </tbody> </table>		Name	Execution Date	Matvey E. LUKASHEV	12/06/2010	Gilmore O'NEILL	10/27/2011
Name	Execution Date						
Matvey E. LUKASHEV	12/06/2010						
Gilmore O'NEILL	10/27/2011						
RECEIVING PARTY DATA							
Name:	Biogen Idec MA Inc.						
Street Address:	14 Cambridge Center						
City:	Cambridge						
State/Country:	MASSACHUSETTS						
Postal Code:	02142						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13372426</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13372426		
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Application Number:	13372426						
CORRESPONDENCE DATA							
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OP \$40.00 13372426

501908607

PATENT
 REEL: 028146 FRAME: 0980

ASSIGNMENT

For valuable consideration, I, Gilmore O'NEILL of Medford, MA, hereby assigns to Biogen Idec MA Inc., a corporation of Massachusetts having a place of business at:

14 Cambridge Center
Cambridge, Massachusetts 02142,

and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent entitled Treatment for Multiple Sclerosis (as amended), and assigned U.S. Non-Provisional Application Number 12/526,296, which is the national stage application of International Application Number PCT/US2008/001602, filed February 7, 2008, this assignment including said application, any and all United States and foreign utility patents and patent 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 application 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 I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: October 27th 2011

Gilmore O'Neill
Gilmore O'NEILL

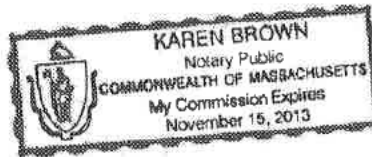
STATE OF Massachusetts)
) SS.
COUNTY OF Middlesex)

Before me this 27th day of October, 2011, personally appeared Gilmore O'NEILL known to me to be the person whose name is subscribed to the foregoing Assignment, proved to me through satisfactory evidence of identification in the form of Massachusetts License, and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Karen Brown
Notary Public

My Commission Expires: November 15, 2013

[Notary's Seal Here]



1401511_1.DOC

ASSIGNMENT

For valuable consideration, I, Matvey E. LUKASHEV, of Tewksbury, Massachusetts, hereby assign to BIOGEN IDEC MA INC., a corporation of Cambridge, Massachusetts having a place of business at:

133 Boston Post Road
Weston, MA, 02493,

and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of a PCT application entitled NRF2 SCREENING ASSAYS AND RELATED METHODS AND COMPOSITIONS, filed February 7, 2008, and assigned PCT Serial Number PCT/US2008/001602, this assignment including said application, any and all United States and foreign utility patents and patent 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 application under all treaties; and I hereby confirm my prior authorization of the Assignee, as of February 7, 2008, to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

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