

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>Shelia M. Violette</td> <td>10/09/2007</td> </tr> <tr> <td>Louise A. Koopman</td> <td>10/05/2007</td> </tr> </tbody> </table> | | Name | Execution Date | Shelia M. Violette | 10/09/2007 | Louise A. Koopman | 10/05/2007 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Shelia M. Violette | 10/09/2007 | | | | | | | | | | |
| Louise A. Koopman | 10/05/2007 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Biogen Idec MA Inc.</td> </tr> <tr> <td>Street Address:</td> <td>14 Cambridge Center</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02142</td> </tr> </table> | | Name: | Biogen Idec MA Inc. | Street Address: | 14 Cambridge Center | City: | Cambridge | State/Country: | MASSACHUSETTS | Postal Code: | 02142 |
| 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>13863646</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13863646 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13863646 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (617) 542-5070 Email: apsi@fr.com Correspondent Name: Joseph J. Koipally Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 13751-0132RE1 | | | | | | | | | | |
| NAME OF SUBMITTER: | Carol Tyrrell | | | | | | | | | | |
| Signature: | /Carol Tyrrell/ | | | | | | | | | | |
| Date: | 06/21/2013 | | | | | | | | | | |
| Total Attachments: 3 source=137510132RE1Assignment#page1.tif source=137510132RE1Assignment#page2.tif source=137510132RE1Assignment#page3.tif | | | | | | | | | | | |

CH \$40.00 13863646

ASSIGNMENT

For valuable consideration, we, Shelia M. VIOLETTE, of Lexington, MA and Louise A. KOOPMAN, of Brookline, MA; hereby assign 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"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent entitled **Compositions and Methods for Inhibiting Growth of *smad4*-Deficient Cancers**, filed July 10, 2007, and assigned U.S. Application Number 11/822,859, 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 we authorize the Assignee to apply in all countries in our 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 we agree for ourselves and our 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: 10/9/07

SMV
Shelia M. VIOLETTE

STATE OF Massachusetts
COUNTY OF Middlesex) SS.

Before me this 9th day of October, 20 07, personally appeared Shelia M. VIOLETTE 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 Company Badge ID, and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

Kathleen Philpot
Notary Public


My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 18, 2009

[Notary's Seal Here]

DATE: 10/5/07



Louise A. KOOPMAN

STATE OF Massachusetts)
COUNTY OF Middlesex) SS.

Before me this 5th day of October, 20 07, personally
appeared Louise A. KOOPMAN 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 Company Badge ID, and acknowledged that she executed the same as her
free act and deed for the purposes therein contained.



Notary Public

My Commission Expires:



KATHLEEN PHILPOT
Notary Public
Commonwealth of Massachusetts
My Commission Expires
December 18, 2009

[Notary's Seal Here]

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