PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2982268

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| MEENA SUBRAMANYAM | 03/27/2008 |
| LAKSHMI AMARAVADI | 01/25/2008 |
| ERIC WAKSHULL | 02/01/2008 |
| FRANCES LYNN | 01/23/2008 |
| MICHAEL PANZARA | 04/14/2008 |

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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14330619 |

CORRESPONDENCE DATA

Fax Number:

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.

Email: patents heatherd@wolfgreenfield.com

Correspondent Name: WOLF GREENFIELD
Address Line 1: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

| ATTORNEY DOCKET NUMBER: | B1152.70002US03 |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | ALEXANDRA CINAMON |
| SIGNATURE: | /Alexandra E. Cinamon/ |
| DATE SIGNED: | 08/14/2014 |

Total Attachments: 6

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PATENT REEL: 033538 FRAME: 0266

ASSIGNMENT

For valuable consideration, we, Meena Subramanyam, of Stoneham, MA; Lakshmi Amaravadi, of Natick, MA; Eric Wakshull, of Princeton, MA; Frances Lynn, of Somerville, MA; Michael Panzara, of Winchester, 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 METHODS AND PRODUCTS FOR EVALUATING AN IMMUNE RESPONSE TO A THERAPEUTIC PROTEIN, filed October 3, 2007, and assigned U.S. Serial Number 11/887,782 and a PCT application entitled METHODS AND PRODUCTS FOR EVALUATING AN IMMUNE RESPONSE TO A THERAPEUTIC PROTEIN, filed April 4, 2006, and assigned Application Number PCT/US2006/012493, this assignment including said applications, 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.

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| DATE: 27 Mac 08 | Jung |
|--|--|
| | Meena Subramanyam |
| | |
| | |
| STATE OF /////OCHUSEKS COUNTY OF//////////////// | aa |
| COUNTY OF Middlesux | 55. |
| Before me this 27 4 day of | of Malch, 20 08, personally |
| appeared Meena Subramanyam known to | o me to be the person whose name is subscribed to the |
| foregoing Assignment, proved to me thro | ough satisfactory evidence of identification in the form |
| | _, and acknowledged that he/she executed the same as |
| his/her free act and deed for the purposes | s therein contained. |
| | BHUY J. Slack Notary Public BETHANY L. SLACK |
| | Notary Public BETHANY L. SLACK |
| | My Commission Expressonmonwealth of Massachusetts |
| (Notary's Seal Here] | My Commission Expires January 1, 2012 |

DATE: 01 25 08

Joksh. Alugranadi

STATE OF MASSUCHUSEHS

COUNTY OF MICHAELES

SS.

Notary Public

My Commission Expires:

[Notary's Seal Here]

BETHANY L. SLACK
Notary Public
Commonwealth of Massachusetts
My Commission Expires
January 1, 2012

| Date: Feb 1, 2008 | Eric Wakshull | <i>?</i> |
|---|--|-----------------|
| Witnessed by: Name: <u>Ha Aaad</u> | Date: 1 February 2008 | |
| Name: Vali Ghan. | Date: <u> Frlo 2008</u> | |
| IN WITNESS WHEREOF, I hereto set methis, 2008. | ny hand and seal at | (City, State) |
| Commonwealth of | | |
| On this day of, 20 appeared Eric Wakshull, proved to me | | tity, which was |
| attached document in my presence, and document are truthful and accurate to t | d who swore or affirmed to me that the | |
| | (official signature and sea | l of notary) |
| My Commission Evnires | | |

| Date: 23 January, 2008 | Frances Lynn |
|---|---|
| | Trances Lynn |
| Witnessed by: | |
| Name: NISHMA SOLANKI | Date: 23 - JAN - 08 |
| Name: SAANA KHAN | Date: 23 Jon - 08 |
| Commonwealth of Massachusetts County of | |
| appeared Frances Lynn, proved to me throu | before me, the undersigned notary public, personally igh satisfactory evidence of identity, which was erson whose name was signed on the preceding or |
| | o swore or affirmed to me that the contents of the |
| | (official signature and seal of notary) |
| | |
| My Commission Expires | |

| Page 6 of 6 OATE: ///April / O 6 Michael Panzara |
|--|
| STATE OF <u>Massachuse443</u>) ss. COUNTY OF <u>Lliddlesex</u> |
| Before me this 111 day of 211, 20 8, personally ppeared Michael Panzara known to me to be the person whose name is subscribed to the |
| oregoing Assignment, proved to me through satisfactory evidence of identification in the form |
| of (ichal , and acknowledged that he/she executed the same as |
| his/her free act and deed for the purposes therein contained. |
| Notary Public BETHANY L. SLACT Notary Public Notary Public |
| My Commission Expute Commonwealth of Mass My Commission My Commission My Commission January 1, 2 |
| BETHANY L. SLACK Notary Public Commonwealth of Massachusetts My Commission Expires January 1, 2012 |

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RECORDED: 08/14/2014

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