

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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| SUBMISSION TYPE:   | NEW ASSIGNMENT             |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                 |
| CONVEYING PARTY DATA   |                            |
| Name   | Execution Date             |
| Alexey Alexandrovic Lugovsky   | 06/05/2007                 |
| Karl J. M. Hanf  | 06/05/2007                 |
| 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:  | 11572647                   |
| CORRESPONDENCE DATA  |                            |
| Fax Number:  | (267)430-7015              |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                            |
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| Email:   | hillct@pepperlaw.com       |
| Correspondent Name:  | Mark DeLuca, Esq.          |
| Address Line 1:  | 899 Cassatt Road           |
| Address Line 2:  | Pepper Hamilton LLP        |
| Address Line 4:  | Berwyn, PENNSYLVANIA 19312 |
| ATTORNEY DOCKET NUMBER:  | 133064.00101               |
| NAME OF SUBMITTER:   | Catherine Hill             |

Total Attachments: 4  
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**PATENT**  
**REEL: 020374 FRAME: 0472**

**CH \$40.00 11572647**

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ASSIGNMENT

For valuable consideration, we, Herman Van Vlijmen, of Mechelen, Belgium; Alexey Alexandrovic Lugovskoy, of Woburn, MA, and Karl J. M. Hanf, of Billerica, 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 ANTI-CD 154 ANTIBODIES, filed January 25, 2007, and assigned U.S. Serial Number 11/572,647, 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: \_\_\_\_\_  
Herman Van Vlijmen

Witness Signature: \_\_\_\_\_  
Witness Printed Name:

Witness Signature: \_\_\_\_\_  
Witness Printed Name:

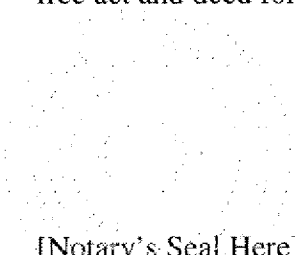


DATE: 5 Jun 07

*Karl J. M. Hanf*  
Karl J. M. Hanf

STATE OF MASSACHUSETTS )  
COUNTY OF Middlesex ) SS.

Before me this 5<sup>th</sup> day of JUNE, 20 07, personally appeared Karl J. M. Hanf 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 he executed the same as his free act and deed for the purposes therein contained.



[Notary's Seal Here]

*Kathleen Philipot*  
Notary Public

My Commission Expires:

Kathleen Philipot  
Notary Public  
My Commission Expires  
December 18, 2009