

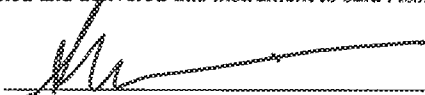
PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6792052

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ALISSA A. CHACKERIAN	08/30/2013
RECEIVING PARTY DATA		
Name:	BIOGEN IDEC MA INC.	
Street Address:	14 CAMBRIDGE CENTER	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	12142	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15131804	
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Phone:	4155488633	
Email:	ip-squire@squirepb.com	
Correspondent Name:	TODD A. LORENZ	
Address Line 1:	275 BATTERY STREET, SUITE 2600	
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111	
ATTORNEY DOCKET NUMBER:	P1078US004	
NAME OF SUBMITTER:	TODD A. LORENZ, REG. NO. 39,754	
SIGNATURE:	/Todd A. Lorenz, Reg. No. 39,754/	
DATE SIGNED:	06/30/2021	
Total Attachments: 1		
source=Assignment_CHACKERIAN_to_Biogen_Idec_MA#page1.tif		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION	Docket Number BGN-0002 (P1078US003)
Whereas, the undersigned:	
Alissa A. Chackerian Sunnyvale, CA	
hereinafter termed "Inventors", have invented certain new and useful improvements in	
METHODS FOR DETERMINING DIFFERENCES IN ALPHA-4 INTEGRIN ACTIVITY BY CORRELATING DIFFERENCES IN sVCAM AND/OR sMAdCAM LEVELS	
<input checked="" type="checkbox"/> for which an application for United States Patent was filed on <u>04/25/2013</u> Application No. <u>13/881,520</u> . <input checked="" type="checkbox"/> for which an international application was filed on <u>10/24/2011</u> Application No. <u>PCT/US2011/057519</u> .	
WHEREAS, <u>Biogen Idec MA Inc.</u> , an organization having a place of business on <u>14 Cambridge Center, Cambridge, MA 02142 U.S.A.</u> , (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.	
NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:	
1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.	
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.	
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.	
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.	
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:	
Date: <u>8/30/2013</u>	 Alissa A. Chackerian