504019187 09/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4065844

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY DA	ТА			
		Name	Execution Date	
IRVING H. FOX			10/02/2012	
CATHERINE SCHOLZ			10/11/2012	
RECEIVING PARTY DAT	Ā			
Name:	MILLENNIUM PHARMACEUTICALS, INC.			
Street Address:	40 LANDSD	0 LANDSDOWNE STREET		
City:	CAMBRIDG	AMBRIDGE		
State/Country:	MASSACHU	SSACHUSETTS		
Postal Code:	02139			
PROPERTY NUMBERS	Fotal: 1	Number		
		5000		
Application Number:	1521	5000		
Application Number: CORRESPONDENCE DA		5000		
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/Sarah Walsh/

09/23/2016

SIGNATURE:

DATE SIGNED:

Total Attachments: 4

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ASSIGNMENT

THIS ASSIGNMENT, made this _____ day of _____, 2012, by Irving H. FOX and Catherine SCHOLZ (hereinafter referred to as Assignors), residing at 111 Livingston Road, Wellesley, Massachusetts 02482; and 1 Nashua Street, Woburn, Massachusetts 01801, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in *FORMULATION FOR ANTI-ALPHA4BETA7 ANTIBODY*, set forth in a Patent application for Letters Patent of the United States, already filed on May 2, 2012 as U.S. Application No. 13/462,414; and

WHEREAS, Millennium Pharmaceuticals, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 40 Landsdowne Street, Cambridge, Massachusetts 02139 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and all divisional, renewal, substitute, continuation, continuation-in-part, reissue, and reexamination applications that are entitled to benefit of priority to said application, and such Letters Patents as may issue on said invention applications; said invention, applications and Letters Patents to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or

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PATENT REEL: 039841 FRAME: 0507 pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE in its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including divisional, renewal, substitute, continuation, continuation-in-part, reissue, and reexamination applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

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PATENT REEL: 039841 FRAME: 0508

Assignment 079259-0614

IN WITNESS WHEREOF, I have hereunto set my hand and seal this	2	day of	
, 2012.			
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Witnessed by:

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Karen Crarameto Date: 10/2/12 Signature <u>Laren Ciaramitard</u> Typed or Printed Name (<u>4 Si Monds Ld.</u> <u>Metrose MA 02/16</u> Witness Address

Witnessed by:

Michele Benkley	Date:	10/2/12-
Signature	-	
Michele Bentley Typed or Printed Name		
47 OUD STAGE AD		
Chelmsford, MA 01824 Witness Address		

Assignment 079259-0614

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 10^{10} day of October, 2012.

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Witnessed by:

Taula Sivul

Date: October 11, 2012

PAULA SWIRKI Typed or Printed Name

36 Harrison Ave.

Saugus, MA 01906 Witness Address

Witnessed by:

an Sherry Date: October 11, 2012

ANN SHERRY Typed or Printed Name

46 Huron Circle

Dorchester, MA 02124 Witness Address

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PATENT REEL: 039841 FRAME: 0510

RECORDED: 09/23/2016