

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2587580

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>WILLOW DILUZIO</td><td>07/03/2012</td></tr><tr><td>PHUONG M. NGUYEN</td><td>07/03/2012</td></tr><tr><td>CSANAD M. VARGA</td><td>07/03/2012</td></tr><tr><td>VAITHIANATHAN PALANIAPPAN</td><td>07/03/2012</td></tr><tr><td>JASON BROWN</td><td>07/03/2012</td></tr><tr><td>IRVING H. FOX</td><td>07/03/2012</td></tr><tr><td>CATHERINE SCHOLZ</td><td>07/03/2012</td></tr><tr><td>MARIA ROSARIO</td><td>07/03/2012</td></tr></tbody></table>		Name	Execution Date	WILLOW DILUZIO	07/03/2012	PHUONG M. NGUYEN	07/03/2012	CSANAD M. VARGA	07/03/2012	VAITHIANATHAN PALANIAPPAN	07/03/2012	JASON BROWN	07/03/2012	IRVING H. FOX	07/03/2012	CATHERINE SCHOLZ	07/03/2012	MARIA ROSARIO	07/03/2012
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RECEIVING PARTY DATA																			
<table border="1"><tr><td>Name:</td><td>MILLENNIUM PHARMACEUTICALS, INC.</td></tr><tr><td>Street Address:</td><td>40 LANDSDOWNE STREET</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>02139</td></tr></table>		Name:	MILLENNIUM PHARMACEUTICALS, INC.	Street Address:	40 LANDSDOWNE STREET	City:	CAMBRIDGE	State/Country:	MASSACHUSETTS	Postal Code:	02139								
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PCT Number:	US1236069																		
CORRESPONDENCE DATA																			
Fax Number:	(202)756-8087																		
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	MCDERMOTT WILL & EMERY LLP																		
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Address Line 2:	THE MCDERMOTT BUILDING																		
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001																		

ATTORNEY DOCKET NUMBER:	079259-0603
NAME OF SUBMITTER:	MELISSA MOLCHAN
Signature:	/Melissa Molchan/
Date:	10/23/2013
<p>Total Attachments: 7 source=0603AssignmentInventorstoMillen#page1.tif source=0603AssignmentInventorstoMillen#page2.tif source=0603AssignmentInventorstoMillen#page3.tif source=0603AssignmentInventorstoMillen#page4.tif source=0603AssignmentInventorstoMillen#page5.tif source=0603AssignmentInventorstoMillen#page6.tif source=0603AssignmentInventorstoMillen#page7.tif</p>	

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 3rd day of July, 2012, by Willow DiLuzio of 7 Fernwood Drive, Westford, MA 01886; Phuong M. Nguyen of 126 Gore Street, #4, Cambridge, MA 02141; Csanad M. Varga of 95 Jackson Street, Cambridge, MA 02140; Vaithianathan Palaniappan of 7 Spruce Circle, Andover, MA 01810; Jason Brown of 10 September Lane, Burlington, MA 01803; Irving H. Fox of 111 Livingston Road, Wellesley, MA 02482; Catherine Scholz of 1 Nashua Street, Woburn, MA 01801 and Maria Rosario of 6 School Street, Apt. 19, Mystic, Connecticut 06355 (hereinafter referred to as Assignors), respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in FORMULATION FOR ANTI-ALPHA4BETA7 ANTIBODY, set forth in PCT Application filed on May 2, 2012 as PCT Application No. PCT/US12/36069; and

**WHEREAS**, **Millennium Pharmaceuticals, Inc.** a Corporation organized under and pursuant to the laws of the State of Massachusetts having its principal place of business at **40 Landsdowne Street, Cambridge, MA 02139** (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of said Agreements and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

MCDERMOTT WILL & EMERY LLP

All practitioners at Customer Number 23630

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

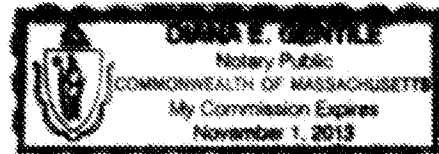
Willow DiLuzio  
Willow DiLuzio

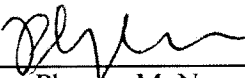
Date: 03 July 12

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me personally came Willow DiLuzio, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diana E. Gentile  
Notary Public




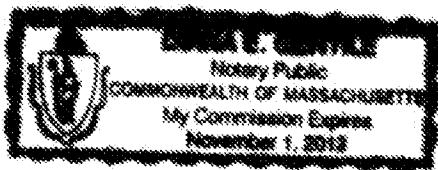
  
Phuong M. Nguyen

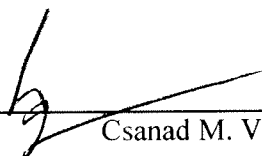
Date: 03 JUL 12

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me  
personally came Phuong M. Nguyen, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public



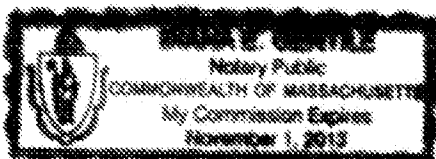
  
Csanad M. Varga

Date: 03 JUL 2012

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me  
personally came Csanad M. Varga, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

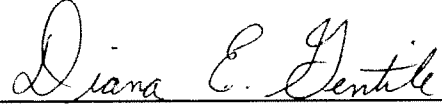


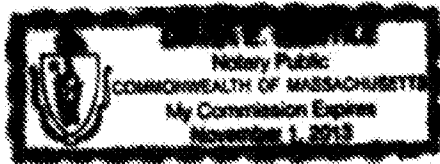
  
 Vaithianathan Palaniappan


Date: July 3, 2012

United States of America )  
 Commonwealth of Massachusetts ) ss.:  
 County of Middlesex )

On this 3rd day of July, 2012, before me  
 personally came Vaithianathan Palaniappan, to me known to be the individual  
 described in and who executed the foregoing instrument, and acknowledged execution  
 of the same.

  
 Notary Public

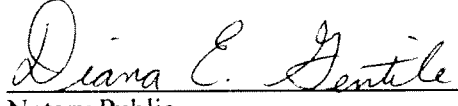


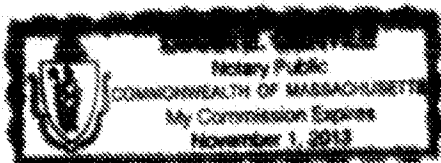
  
 Jason Brown

Date: July 3, 2012

United States of America )  
 Commonwealth of Massachusetts ) ss.:  
 County of Middlesex )

On this 3rd day of July, 2012, before me  
 personally came Jason Brown, to me known to be the individual  
 described in and who executed the foregoing instrument, and acknowledged execution  
 of the same.

  
 Notary Public



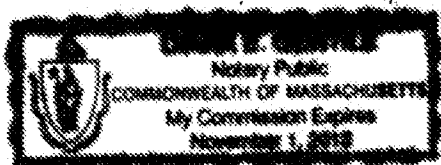
Irving H. Fox  
Irving H. Fox

Date: 3 July 2012

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me  
personally came Irving H. Fox, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Diana E. Gentile  
Notary Public



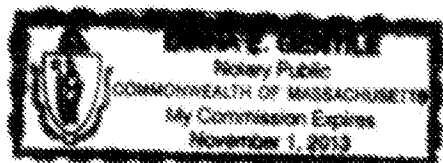
Catherine Scholz  
Catherine Scholz

Date: 03 JULY 2012

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me  
personally came Catherine Scholz, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Diana E. Gentile  
Notary Public





Maria Rosario  
Maria Rosario

Date: July 3, 2012

United States of America )  
Commonwealth of Massachusetts ) ss.:  
County of Middlesex )

On this 3rd day of July, 2012, before me  
personally came Maria Rosario, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Diana C. Gentile  
Notary Public

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