

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT2966459

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MANKIND CORPORATION	05/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PHARMACYCLICS INC.
<b>Street Address:</b>	995 EAST ARQUES AVENUE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94085
<b>PROPERTY NUMBERS Total: 6</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8604031
<b>Application Number:</b>	60869664
<b>Application Number:</b>	60801074
<b>Application Number:</b>	13177657
<b>Application Number:</b>	14076457
<b>PCT Number:</b>	US2007011974
<b>CORRESPONDENCE DATA</b>	
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<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>	
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<b>Email:</b>	lhemmendinger@bannerwitcoff.com,bharrison@bannerwitcoff.com,BWPTOPAT@ban
<b>Correspondent Name:</b>	LISA M. HEMMENDINGER
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<b>Address Line 2:</b>	SUITE 1200
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005-4051
<b>ATTORNEY DOCKET NUMBER:</b>	008334.99999
<b>NAME OF SUBMITTER:</b>	LISA M. HEMMENDINGER
<b>SIGNATURE:</b>	/Lisa M. Hemmendinger/
<b>DATE SIGNED:</b>	08/04/2014
<b>Total Attachments: 2</b>	

PATENT

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source=Executed Assignment (008334)#page2.tif

## ASSIGNMENT

WHEREAS, MANKIND CORPORATION (“ASSIGNOR”), a corporation organized and existing under the laws of the State of Delaware, United States of America, and having a place of business at 28903 North Avenue Paine, Valencia, CA 91355, is the owner of the entire right, title and interest in, and to the following patents and applications and of the inventions therein described (“APPLICATIONS”):

US60/869,664	Filed on December 12, 2006
US60/801,074	Filed on May 18, 2006
US11/750,866	Filed on May 18, 2007, now Patent No. 8,604,031
US13/177,657	Filed on July 07, 2011, Pub. No. 20110281850
US14/076,457	Filed on November 11, 2013, Pub. No. 20140080833
PCT/US07/11974	Filed on May 18, 2007, Pub. No. WO/2007/136790
AU20070254179	Filed on May 18, 2007, now Patent No. AU2007254179BB
AU20130200229	Filed on January 16, 2013, Pub. No. AU2013200229AA
CA20072651732	Filed on May 18, 2007, Pub. No. CA2651732
EP2007795056.6	Filed on May 18, 2007, Pub. No. EP2027087A2
JP20090511099T	Filed on May 18, 2007, Pub. No. JP2009537552T2
JP2014010925	Filed January 24, 2014
MX/a/20080014450	Filed on November 11, 2008, now Patent No. 311999

WHEREAS, PHARMACYCLICS INC. (“ASSIGNEE”), a corporation organized and existing under the laws of the State of Delaware, United States of America, and having a place of business at 995 East Arques Avenue, Sunnyvale, California 94085, wants to obtain the entire right, title and interest in the APPLICATIONS;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in the APPLICATIONS, including the right to sue for past infringement, and all divisions, renewals and continuations thereof, and all patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for the invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the patent under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and

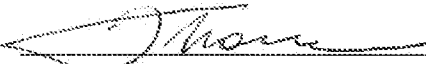
ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR HEREBY covenants and agrees that it has the full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR HEREBY further covenants and agrees that ASSIGNOR will communicate to ASSIGNEE, its successors, legal representatives and assigns, any material facts known to ASSIGNOR respecting the invention, and testify in any legal proceeding, sign all lawful papers, make all rightful oaths, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention in all countries.

IN WITNESS AND IN TESTIMONY WHEREOF, I, as a duly authorized representative of ASSIGNOR, hereunto set my hand and seal this 8th day of May 2014.

MANNKIND CORPORATION

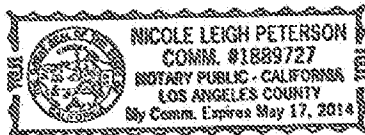
By:   
David Thomson  
Corporate Vice President & General Counsel

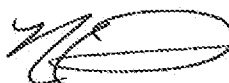
State of California            )  
  ) SS.:  
County of Los Angeles        )

On this 8th day of May, before me, Nicole Leigh Peterson, a Notary Public in and for the State and County aforesaid, personally appeared David Thomson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury UNDER THE LAWS OF THE State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal



  
\_\_\_\_\_  
Notary Public.