

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Peter Richardson	12/04/2008
Robert A. Baughman	12/11/2008
Donald Costello	12/04/2008

RECEIVING PARTY DATA

Name:	MannKind Corporation
Street Address:	28903 North Avenue Paine
City:	Valencia
State/Country:	CALIFORNIA
Postal Code:	91355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12258340

CORRESPONDENCE DATA

Fax Number: (949)253-0902

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 949-253-0900

Email: maria.nadal@klgates.com

Correspondent Name: Louis C. Cullman

Address Line 1: 1900 Main Street, Suite 600

Address Line 4: Irvine, CALIFORNIA 92614-7319

ATTORNEY DOCKET NUMBER:

1951300.00043

NAME OF SUBMITTER:

Louis C. Cullman

Total Attachments: 4

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PATENT

REEL: 022023 FRAME: 0775

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CH \$40.00 12258340

ASSIGNMENT

WHEREAS, WE, Peter Richardson, Robert A. Baughman, and Donald Costello have invented certain new and useful inventions entitled **"METHOD OF PREVENTING ADVERSE EFFECTS BY GLP-1"** disclosed in the following patent applications:

12/258,340	Filed October 24, 2008
PCT/US08/81218	Filed October 24, 2008
60/982,368	Filed October 24, 2007
60/985,620	Filed November 5, 2007
61/033,740	Filed March 4, 2008
61/052,127	Filed May 9, 2008

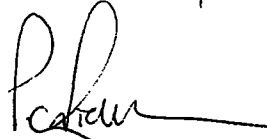
AND WHEREAS MannKind Corporation, organized and existing under the laws of Delaware, having a place of business at 28903 North Avenue Paine, Valencia, CA 91355 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, for good and valuable consideration already received, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said inventions, and said application and all divisions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, all national and regional applications deriving therefrom, and all subsequent patents and divisional patents, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, continuations-in-part, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said inventions in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunder set my hand this 4th day of December, 2008.



Peter Richardson
Assignor

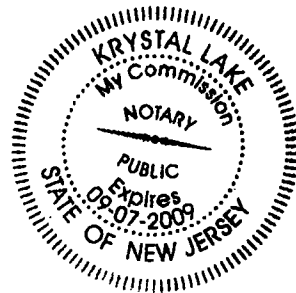
STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On this _____ day of _____, 20____, before me, _____, notary public, personally appeared **Peter Richardson** proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing 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 entity upon behalf of which the person acted, executed the instrument.

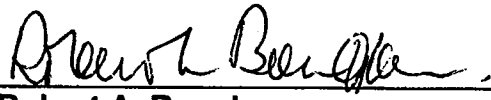
(SEAL)



12/4/2008
Notary Public



IN TESTIMONY WHEREOF, I hereunder set my hand this 11th day of December, 20 08.

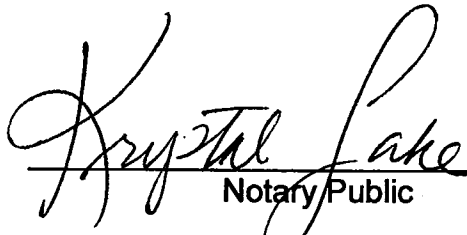


Robert A. Baughman
Assignor

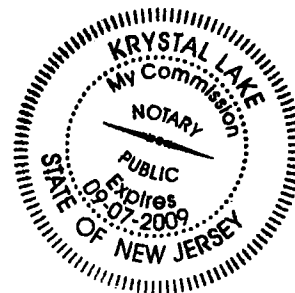
STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On this _____ day of _____, 20____, before me, _____, notary public, personally appeared **Robert A. Baughman** proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing 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 entity upon behalf of which the person acted, executed the instrument.


(SEAL)



Notary Public



IN TESTIMONY WHEREOF, I hereunder set my hand this 4 day of Dec,
2008.

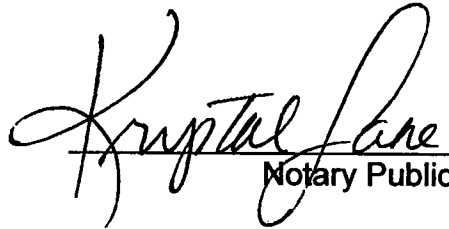


Donald Costello
Assignor

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On this _____ day of _____, 20____, before me,
_____, notary public, personally appeared **Donald Costello**
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the foregoing 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 entity upon behalf of which the person acted, executed the instrument.

(SEAL)

 12-4-2008
Notary Public

