

PATENT ASSIGNMENT

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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>Anders Hasager Boss</td><td>03/13/2006</td></tr><tr><td>Rodney J. Woods</td><td>03/13/2006</td></tr><tr><td>Joseph W. Sulner</td><td>03/16/2006</td></tr><tr><td>Solomon S. Steiner</td><td>04/20/2006</td></tr></tbody></table>	Name	Execution Date	Anders Hasager Boss	03/13/2006	Rodney J. Woods	03/13/2006	Joseph W. Sulner	03/16/2006	Solomon S. Steiner	04/20/2006	
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Joseph W. Sulner	03/16/2006										
Solomon S. Steiner	04/20/2006										
RECEIVING PARTY DATA											
Name:	MannKind Corporation										
Street Address:	28903 North Avenue Paine										
City:	Valencia										
State/Country:	CALIFORNIA										
Postal Code:	91355										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11329686</td></tr></tbody></table>	Property Type	Number	Application Number:	11329686							
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Application Number:	11329686										
CORRESPONDENCE DATA											
Fax Number:	(949)253-0902										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(949)253-0900										
Email:	mnadal@prestongates.com										
Correspondent Name:	Louis C. Cullman										
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ATTORNEY DOCKET NUMBER:	51300-00017										
NAME OF SUBMITTER:	Louis C. Cullman										
Total Attachments: 5											
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ASSIGNMENT

WHEREAS, WE, Anders Hasager **Boss**, residing at 285 Cold Soil Road, Princeton, NJ 08540, Solomon S. **Steiner**, residing at 24 Old Wagon Road, Mount Kisco, NY 10549, Rodney J. **Woods**, residing at 1213 Ridgebury Road, New Hampton, NY 10956, and Joseph W. **Sulner**, residing at 330 Bullard Avenue, Paramus, NJ 07652 have invented certain new and useful inventions disclosed in an application for United States Letters Patent entitled "**POTENTIATION OF GLUCOSE ELIMINATION**" also known as U.S. Patent Application No. 11/329,686, filed on January 10, 2006, which claims priority to U.S. Provisional Patent Application No. 60/667,393, filed on March 31, 2005, and U.S. Provisional Patent Application No. 60/643,070, filed on January 10, 2005 and executed by us on even date herewith;

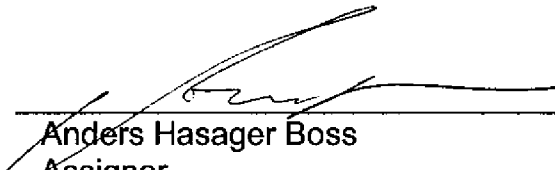
AND WHEREAS MannKind Corporation, a corporation organized and existing under the laws of **Delaware**, having a place of business at 28903 North Avenue Paine, Valencia, CA 91355 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the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

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and other good and valuable consideration, 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 13 day of MARCH, 2006



Anders Hasager Boss
Assignor
Anders H. Boss, M.D., M.F.P.M.
Senior Vice President
Medical, Clinical & Scientific Affairs

STATE OF NEW JERSEY)
) ss.
COUNTY OF)

On this 13 day of ~~FEBRUARY~~ ^{MARCH} ~~2006~~ ²⁰⁰⁶, before me personally appeared ANDERS BOSS to me known or proved on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same.

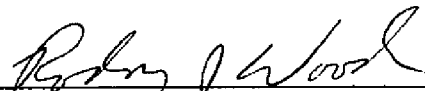
(SEAL)



Notary Public

ANGELA P. MONTOYA
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 6/10/2008

IN TESTIMONY WHEREOF, I hereunder set my hand this 13 day of MARCH 20 06

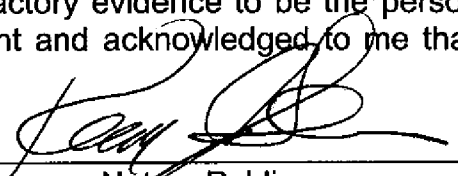


Rodney J. Woods
Assignor

STATE OF ~~NEW YORK~~ CONNECTICUT)
COUNTY OF Fairfield) ss.

Danbury, CT.

On this 13th day of MARCH 06, before me personally appeared Rodney J. Woods
to me known or proved on the basis of satisfactory evidence to be the person whose
name is subscribed to the foregoing instrument and acknowledged to me that he/she
executed the same.



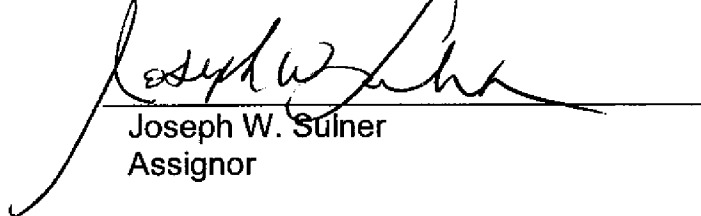
Notary Public

(SEAL)

My Commission Exp. July 31, 2009

IN TESTIMONY WHEREOF, I hereunder set my hand this 16th day of March, 2006.

DATED at _____, this 16th day of March, 2006


Joseph W. Sulner
Assignor

STATE OF NEW JERSEY

COUNTY OF Bergen

)
) ss.
)

On this 16 day of March, 2006, before me personally appeared Joseph W. Sulner to me known or proved on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same.

(SEAL)

PATRICIA PIZZA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 10-22-07
