

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chad C. Smutney	03/25/2009
John M. Polidoro	03/25/2009
Benoit Adamo	03/30/2009
P. Spencer Kinsey	03/25/2009

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:	29356555

CORRESPONDENCE DATA

Fax Number: (949)253-0902
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 9492530900
 Email: dawn.avila@klgates.com
 Correspondent Name: K&L Gates LLP
 Address Line 1: 1900 Main Street, Suite 600
 Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	1951300.00115
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NAME OF SUBMITTER:	Brian J. Novak
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Total Attachments: 3
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**PATENT
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ASSIGNMENT

WHEREAS, We, Chad C. Smutney, residing at 1501 Bunker Hill Road, Watertown, CT 06795; John M. Polidoro, residing at 11 White Road in Tolland, CT; Benoit Adamo residing at 255 West Street, Apt. 2-G, Mount Kisco, NY 10549, and P. Spencer Kinsey residing at 6 Quail Hollow Lane, Sandy Hook, CT 06482, the ASSIGNOR(S) herein, have invented certain new and useful inventions disclosed in a U.S. Design Application No. 29/333,230, filed March 4, 2009 entitled "Cartridge for a Dry Powder Inhaler";

WHEREAS, MannKind Corporation a corporation organized and existing under the laws of the State of Delaware having a place of business at 28903 North Avenue Paine, Valencia, CA 91355 (hereinafter, together with any successors, legal representatives or assigns thereof, called ASSIGNEE), the ASSIGNEE herein, desires to acquire the entire right, title and interest in and to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, in consideration of 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 I 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 me 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 25 day of MAR, 2009

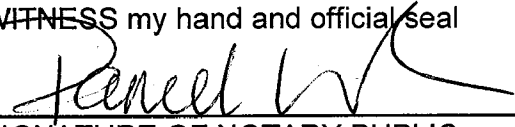

Chad C. Smutney

STATE OF Connecticut

COUNTY OF Fairfield

)
) ss Danbury, CT
)

On 25 MARCH 2009 before me, Pamela LeRose, Notary Public, personally appeared Chad C. Smutney, personally known to me (or 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.

WITNESS my hand and official seal

SIGNATURE OF NOTARY PUBLIC

PAMELA LeROSE
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 31, 2009
pal 25 MAR 09

IN TESTIMONY WHEREOF, I hereunder set my hand this 25th day of March, 2009

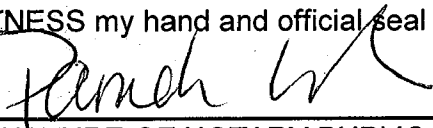

John M. Polidoro

STATE OF Connecticut

COUNTY OF Fairfield

)
) ss Danbury, CT
)

On 25 MARCH 2009 before me, Pamela LeRose, Notary Public, personally appeared John M. Polidoro, personally known to me (or 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.

WITNESS my hand and official seal

SIGNATURE OF NOTARY PUBLIC

PAMELA LeROSE
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 31, 2009
pal 25 MAR 09

IN TESTIMONY WHEREOF, I hereunder set my hand this 30 day of March, 2009

Benoit Adamo
Benoit Adamo

STATE OF Connecticut
COUNTY OF Fairfield

)
) ss Danbury, CT

On 30 Mar 09 before me, Pamela LeRose, Notary Public, personally appeared Benoit Adamo, personally known to me (or 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.

WITNESS my hand and official seal

Pamela LeRose
SIGNATURE OF NOTARY PUBLIC

PAMELA LeROSE
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 31, 2009
pal 30 MAR 09

IN TESTIMONY WHEREOF, I hereunder set my hand this 25th day of March, 2009

P. Spencer Kinsey
P. Spencer Kinsey

STATE OF Connecticut
COUNTY OF Fairfield

)
) ss Danbury, CT

On 25 MAR 09 before me, Pamela LeRose, Notary Public, personally appeared P. Spencer Kinsey, personally known to me (or 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.

WITNESS my hand and official seal

Pamela LeRose
SIGNATURE OF NOTARY PUBLIC

PAMELA LeROSE
NOTARY PUBLIC
MY COMMISSION EXPIRES MAY 31, 2009
pal 25 MAR 09
