

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3879103

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DENNIS OVERFIELD	07/07/2009
CARL R. SAHI	07/07/2009
BENOIT ADAMO	07/07/2009
P. SPENCER KINSEY	07/07/2009
SCOTT MCLEAN	08/03/2009
JOHN M. POLIDORO	07/07/2009
CHAD C. SMUTNEY	07/07/2009
RECEIVING PARTY DATA	
Name:	MANKIND CORPORATION
Street Address:	25134 RYE CANYON LOOP, SUITE 300
City:	VALENCIA
State/Country:	CALIFORNIA
Postal Code:	91355
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15152965
CORRESPONDENCE DATA	
Fax Number:	(949)253-0902
<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>	
Phone:	949-253-0900
Email:	stephanie.new@klgates.com
Correspondent Name:	K&L GATES LLP
Address Line 1:	1 PARK PLAZA, 12TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	1951300.00247CON
NAME OF SUBMITTER:	STEPHANIE NEW
SIGNATURE:	/Stephanie New/
DATE SIGNED:	05/18/2016

Total Attachments: 6

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ASSIGNMENT

WHEREAS, WE, Dennis Overfield, Carl R. Sahi, Benoit Adamo, P. Spencer Kinsey, Scott McLean, John M. Polidoro, and Chad C. Smutney have invented certain new and useful inventions entitled **"AN INTERACTIVE APPARATUS AND METHOD FOR REAL-TIME PROFILING OF INHALATION EFFORTS"** disclosed in the following patent applications:

U.S. 12/488,469	Filed June 19, 2009
PCT/US2009/048059	Filed June 19, 2009
U.S. 61/074,487	Filed June 20, 2008
U.S. 61/159,052	Filed March 10, 2009

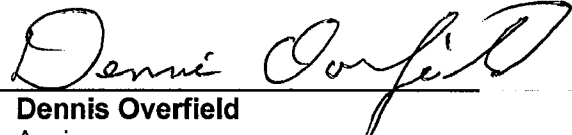
AND WHEREAS MannKind Corporation, organized and existing under the laws of Delaware, having a place of business at 28903 North Avenue Paine, Valencia CA 91355 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title 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 7 day of July, 2009.


Dennis Overfield
Assignor

STATE OF CONNECTICUT)

) ss.
COUNTY OF)

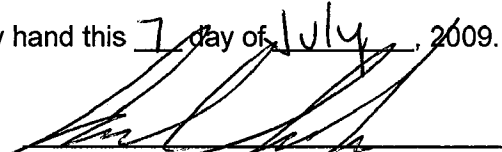
On this 7 day of July 2009, before me, MARIA T. HALL, notary public, personally appeared **Dennis Overfield** proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same in his authorized capacity, 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

MARIA T. HALL
NOTARY PUBLIC
MY COMMISSION EXPIRES DEC. 31, 2009

IN TESTIMONY WHEREOF, I hereunder set my hand this 7 day of July, 2009.


Carl R. Sahi
Assignor

STATE OF CONNECTICUT)

) ss.
COUNTY OF)

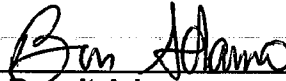
On this 7 day of July 2009, before me, MARIA T. HALL, notary public, personally appeared **Carl R. Sahi** proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same in his authorized capacity, 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

MARIA T. HALL
NOTARY PUBLIC
MY COMMISSION EXPIRES DEC. 31, 2009
PATENT

IN TESTIMONY WHEREOF, I hereunder set my hand this 07 day of July, 2009.



Benoit Adamo
Assignor

STATE OF NEW YORK)
) ss.
COUNTY OF)

On this 7 day of July 2009, before me, MARIA T. HALL, notary public, personally appeared **Benoit Adamo** 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.

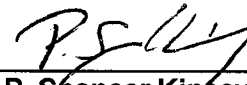

Notary Public

(SEAL)

MARIA T. HALL
NOTARY PUBLIC

MY COMMISSION EXPIRES DEC. 31,

IN TESTIMONY WHEREOF, I hereunder set my hand this 07 day of July, 2009.



P. Spencer Kinsey
Assignor

STATE OF CONNECTICUT)
) ss.
COUNTY OF)

On this 7 day of July 2009, before me, MARIA T. HALL, notary public, personally appeared **P. Spencer Kinsey** 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.


Notary Public

(SEAL)

MARIA T. HALL
NOTARY PUBLIC

MY COMMISSION EXPIRES DEC. 31,

PATENT
REEL: 038637 FRAME: 0577

IN TESTIMONY WHEREOF, I hereunder set my hand this 3rd day of AUGUST, 2009.



Scott McLean
Assignor

STATE OF CONNECTICUT)

COUNTY OF FAIRFIELD) ss. Shelton

On this 3rd day of August 2009, before me, Kelly Daniels,
notary public, personally appeared **Scott McLean** 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 ____ day of _____, 2009.

John M. Polidoro
Assignor

STATE OF CONNECTICUT)

COUNTY OF _____) ss.
_____)

On this ____ day of _____ 2009, before me, _____,
notary public, personally appeared **John M. Polidoro** 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 ____ day of _____, 2009.

Scott McLean
Assignor

STATE OF CONNECTICUT)

COUNTY OF) ss.
)

On this ____ day of _____ 2009, before me, _____, notary public, personally appeared **Scott McLean** 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 7th day of July, 2009.




John M. Polidoro
Assignor

STATE OF CONNECTICUT)

COUNTY OF) ss.
)

On this 7 day of July 2009, before me, MARIA T. HALL, notary public, personally appeared **John M. Polidoro** 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.

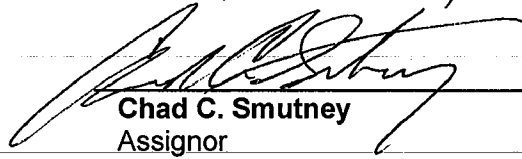
(SEAL)



Notary Public

MARIA T. HALL
NOTARY PUBLIC
MY COMMISSION EXPIRES DEC. 31, 2009

IN TESTIMONY WHEREOF, I hereunder set my hand this 7 day of July, 2009.


Chad C. Smutney
Assignor

STATE OF CONNECTICUT)

COUNTY OF) ss.
)

On this 7 day of July, 2009, before me, MARIA T. HALL,
notary public, personally appeared **Chad C. Smutney** 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

MARIA T. HALL
NOTARY PUBLIC
MY COMMISSION EXPIRES DEC. 31, 2009