

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5073175

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EDWIN AMORO	12/06/2010
KAREL VANACKERE	12/20/2010
MICHAEL A. WHITE	12/06/2010
RECEIVING PARTY DATA	
Name:	MANKIND CORPORATION
Street Address:	30930 RUSSELL RANCH ROAD
Internal Address:	SUITE 301
City:	WESTLAKE VILLAGE
State/Country:	CALIFORNIA
Postal Code:	91362
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15407375
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<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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Email:	patents_BillM@wolfgreenfield.com
Correspondent Name:	WOLF, GREENFIELD & SACKS, P.C.
Address Line 1:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	M1117.70006US03
NAME OF SUBMITTER:	DORIS A. CHAMPAGNE
SIGNATURE:	/Doris A. Champagne/
DATE SIGNED:	07/30/2018
Total Attachments: 4	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to MannKind Corporation, a Delaware corporation having a place of business at 28903 North Avenue Paine; Valencia, California 91355, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on November 2, 2010 under No. 12/917,623, bearing Attorney Docket No. M1117.70006US01, and entitled APPARATUS AND METHOD FOR CRYOGRANULATING A PHARMACEUTICAL COMPOSITION, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

12/06/10
Date


Inventor: Edwin Amoro
Address: 60 Kelsey Avenue
West Haven, CT 06516
Citizenship: US

STATE/Commonwealth of Connecticut
COUNTY OF Fairfield:

On this 6 day of December, 2010, before me, the undersigned notary public, personally appeared Edwin Amoro, proved to me through satisfactory evidence of identification, which were LS Badge to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

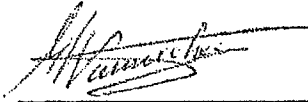
SEAL


Notary Public

My commission expires: Dec 31 2014

20 December 2010

Date



Inventor: Karel Vanackere

Address: Paul Parmentierlaan 251

Appt. 4.1

8300 Knokke-Heist

BELGIUM

Citizenship: Belgium

12-6-10
Date

Michael A. White
Inventor: Michael A. White
Address: 24 Ironworks Hill Road
Brookfield, Connecticut 06804
Citizenship: US

STATE/Commonwealth of Connecticut
COUNTY OF Fairfield:

On this 6 day of December, 2010, before me, the undersigned notary public,
personally appeared Michael A. White, proved to me through satisfactory evidence of
identification, which were ID Badge
to be the person who signed the preceding or attached document in my presence and swore or affirmed
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

[Signature]
Notary Public

My commission expires:

December 31, 2014