

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3659324

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN BRUCE PATTERSON	09/11/2008
DAVID G. LONERGAN	09/22/2008
GARY A. FLYNN	09/12/2008
QINGPING ZENG	09/11/2008
PETER V. PALLAI	09/15/2008
RECEIVING PARTY DATA	
Name:	MANKIND CORPORATION
Street Address:	25134 RYE CANYON LOOP
Internal Address:	SUITE 300
City:	VALENCIA
State/Country:	CALIFORNIA
Postal Code:	91355
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14969837
CORRESPONDENCE DATA	
Fax Number:	(202)824-3001
<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:	2028243291
Email:	lhemmendinger@bannerwitcoff.com,bharrison@bannerwitcoff.com,BWPTOPAT@ban
Correspondent Name:	LISA M. HEMMENDINGER
Address Line 1:	1100 13TH STREET, NW
Address Line 2:	SUITE 1200
Address Line 4:	WASHINGTON, D.C. 20005-4051
ATTORNEY DOCKET NUMBER:	005184.00109
NAME OF SUBMITTER:	LISA M. HEMMENDINGER
SIGNATURE:	/Lisa M. Hemmendinger/
DATE SIGNED:	12/15/2015

Total Attachments: 11

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ASSIGNMENT

We, John Bruce PATTERSON, David Gregory LONERGAN, Gary A. FLYNN, Qingping ZENG, and Peter V. PALLAI ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed in a patent application entitled "**IRE-1 α Inhibitors**" ("APPLICATION"), which was filed on June 9, 2008 and was given U.S. Serial No. 12/135,571; and

MannKind Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to and wants to own the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION and all other applications and patents derived therefrom in the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign, and transfer to the ASSIGNEE the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION and APPLICATION DERIVATIVES;

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of the APPLICATION and APPLICATION DERIVATIVES, for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION and APPLICATION DERIVATIVES.

9-11-08

DATE



John Bruce PATTERSON

DATE

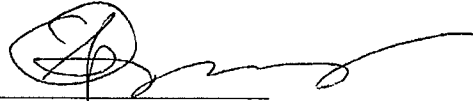
David Gregory LONERGAN

DATE

Gary A. FLYNN

8/11/08

DATE



Qingping ZENG

DATE

Peter V. PALLAI

State of California

County of Los Angeles

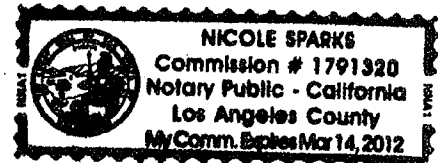
On 9/11/2008 before me, Nicole Sparks, personally
appeared John Patterson and Qingping Zeng

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Nicole Sparks (Seal)



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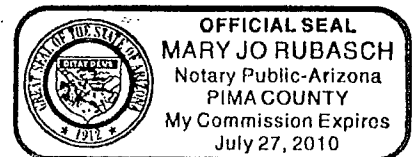
09-22-08

John Bruce PATTERSON

David Loneragan

DATE

David Gregory LONERGAN



Mary Jo Rubasch
Sept 22, 2008

DATE

Gary A. FLYNN

B&W 005184.00042

DATE

Qingping ZENG

DATE

Peter V. PALLAI

ASSIGNMENT

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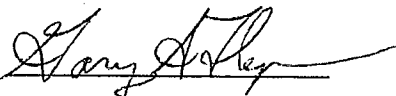
DATE

John Bruce PATTERSON

DATE

David Gregory LONERGAN

DATE


Gary A. FLYNN

B&W 005184.00042

DATE

Qingping ZENG

DATE

Peter V. PALLAI



Acknowledgment by Individual

State of

County of

ARIZONA

PIMA

On this 12 day of SEPTEMBER, 2008, before me, JEREMY BETTS

Name of Notary Public

the undersigned Notary Public, personally appeared

GARY A FLYNN

Name of Signer(s)

☐ Proved to me on the oath of

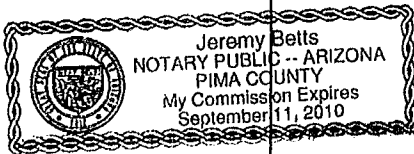
☐ Personally known to me

☒ Proved to me on the basis of satisfactory evidence AZ DL D01248769 EX 11/02/2015

(Description of ID)

to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed it.

WITNESS my hand and official seal.



Notary Seal

(Signature of Notary Public)

My commission expires SEPT. 11, 2010

Optional

Though the information in this section is not required by law, it may prevent fraudulent removal and reattachment of this form to another document and could prove valuable to persons relying on the document.

Description of Attached Document

Type or Title of Document

ASSIGNMENT

Document Date

9/12/2008

Number of Pages

2

Signer(s) Other Than Named Above

Right Thumbprint
of Signer

Top of thumb here

Scanner Enabled Stores should scan this form
Manual Submission Route to Deposit Operations

DSG5350 (9-07 111677)



FO01-00000DSG5350-01

PATENT
REEL: 037296 FRAME: 0508

ASSIGNMENT

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DATE

John Bruce PATTERSON

DATE

David Gregory LONERGAN

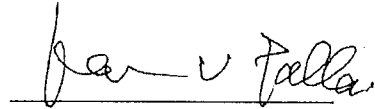
DATE

Gary A. FLYNN

DATE

Qingping ZENG

09-15-08



DATE

Peter V. PALLAI

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Diego

On September 15, 2008 before me, Jamei M. Ellis Notary Public

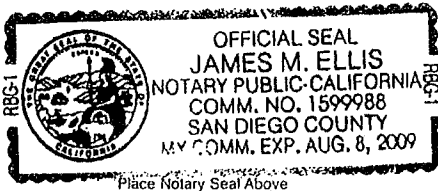
personally appeared Peter V. Pallai

☐ personally known to me

☒ (or proved to me on the basis of satisfactory evidence)

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Jamei M. Ellis
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment

Document Date: N/A Number of Pages: 2

Signer(s) Other Than Named Above: 4 people to sign later

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here