# 503325872 05/28/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3372490

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROGER JEFFS	04/06/2015
THOMAS PETERSEN	02/05/2015
ROGER M. ILAGAN	02/12/2015
MICHAEL WADE	02/12/2015

### **RECEIVING PARTY DATA**

Name:	UNITED THERAPEUTICS CORPORATION
Street Address:	1040 SPRING STREET
City:	SILVER SPRING
State/Country:	MARYLAND
Postal Code:	20910

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14418553

## **CORRESPONDENCE DATA**

**Fax Number:** (202)672-5399

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.

**Phone:** (202) 672-5300

**Email:** kwalker@foley.com, ipdocketing@foley.com

Correspondent Name: STEPHEN B. MAEBIUS Address Line 1: FOLEY & LARDNER LLP

Address Line 2: 3000 K STREET N.W., SUITE 600

Address Line 4: WASHINGTON, D.C. 20007

ATTORNEY DOCKET NUMBER:	080618-1500
NAME OF SUBMITTER:	STEPHEN B. MAEBIUS
SIGNATURE:	/Stephen B. Maebius/
DATE SIGNED:	05/28/2015

**Total Attachments: 6** 

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT 503325872 REEL: 035734 FRAME: 0821



PATENT REEL: 035734 FRAME: 0822

#### ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

United Therapeutics Corporation 1040 Spring Street Silver Spring, Maryland 20910

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

# TREATMENT OF PULMONARY ARTERIAL HYPERTENSION WITH MESENCHYMAL STEM CELLS

check one	[ ] executed concurrently herewith,
	[ ] executed on
	[ X ] Serial No. 14/418 553 Filed 7/30/2013

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

Page 1 of 6

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 6th day of April , 2015.
ROGER JEFFS C
State of
On, before me,
personally appeared <u>ROGER JEFFS</u> Name(s) of Signer(s)
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/their 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 that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.
Signature Signature of Notary Public
Place Notary Seal Above

Executed this of day of Feb, 2015.
THOMAS PETERSEN
State of
County of
On, before me,
Date Here insert Name and Title of the Officer (Notary Public)
personally appeared <u>THOMAS PETERSEN</u> Name(s) of Signer(s)
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/their 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 that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.
Signature Signature of Notary Public
Place Notary Seal Above

Executed this 12 d	ay of FEB	_, 20 <u>1) .</u>
State of North Careering County of Alamance	)	ROGER M. ILAGAN
On	, before me,	
Date		Here insert Name and Title of the Officer (Notary Public)
to the within instrument and ack capacity(ies), and that by his/he the person(s) acted, executed the	Name(s) of Signer( the basis of satisfactor (nowledged to me that (their signature(s) or the instrument.	
WITNESS my hand and official	seal.	
SignatureSignature of Notary P	ublic	
Place Notary Seal Above		

Executed this	day of	, 20
		Androle
		MICHAEL WADE
State of	and the second s	
County of	communication and particular and the second and the	
On	, befo	re me,
Date		Here insert Name and Title of the Officer (Notary Public)
personally appear	red <u>MICHAEL W</u> Name(s) of	
to the within instrument an	id acknowledged t nis/her/their signat	atisfactory evidence to be the person(s) whose name(s) is/are subscribed to me that he/she/their executed the same in his/her/their authorized ure(s) on the instrument the person(s), or the entity upon behalf of nument.
I certify under PE	NALTY OF PER.	JURY that the foregoing paragraph is true and correct.
WITNESS my hand and of	fficial seal.	
Signature Signature of Not	gala nga madandanin manayan na manan dayadan ilaya da 1880 (1980 (1980 (1980 (1980 (1980 (1980 (1980 (1980 (1	
Signature of Not	tary Public	
Place Notary Seal Above		

Page 6 of 6

**RECORDED: 05/28/2015**