# **JP** \$40.00 1101

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Michael Wade	12/15/2006
Roger Andrew Jeffs	12/15/2006
Kathryn Bronstein	12/28/2006
Deborah Strootman	12/18/2006

### RECEIVING PARTY DATA

Name:	United Therapeutics Corporation	
Street Address:	1110 Spring Street	
City:	Silver Spring	
State/Country:	MARYLAND	
Postal Code:	20910	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11012722

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	080618-0365
NAME OF SUBMITTER:	Stephen B. Maebius

PATENT REEL: 018735 FRAME: 0705

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Total Attachments: 4

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PATENT REEL: 018735 FRAME: 0706

Atty. Dkt. No. 080618-0365

### 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 1110 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

### USE OF TREPROSTINIL TO IMPROVE KIDNEY FUNCTIONS

check one	Ţ	] executed concurrently herewith,	
	Ī	] executed on	
	Ė	C1 Serial No. 11/012,722	Filed 12/16/2004

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 International Convention and any other international agreement to which the United States adheres; 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.

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

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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.

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Executed this to day of Dec., 2006
State of MARYLAN ) Iss.
County of MDNTGOMERY
On this 15 th day of DECEMBER, 2006, before me, a notary public in and for said county, appeared MICHEAL WADE, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.
Notary Public Notary Public
(Seal) My Commission Expires: $OS - O1 - 201^{\circ}$
Executed this 15 day of December 2006
to ont where the
State of MARYLAND ROGER ANDREW JEEFS
County of MONTGOMERY
On this 15th day of 15th day o
Notary Public
My Commission Expires: 05-01-2010

(Seal)

	Atty. Dkt. No. 080618-0365
Executed this 2 day of December 200	<u> </u>
State of MARYLAND )ss.  County of MONTECMERY )ss.  On this 28 <sup>1+</sup> day of DECMBAR, 2006, before me, BRONSTEIN, who is personally known to me to be the same person whose nan acknowledged that he/she signed, sealed, and delivered the said instrument as herein set forth.	ALTHRYN BRONSTEIN  A notary public in and for said county, appeared KATHRYN ne is subscribed to the foregoing instrument, and he/she is/her free and voluntary act for the uses and purposes
	Notary Public
(Seal)	My Commission Expires: 05 -01 - 2010
Executed this 18 day of DEC , 20 C	Xo
State of MARYLAND)  County of MONTGOMERY  )ss.	DEBORAH STROOTMAN
On this 28 <sup>Th</sup> day of DECEMBER, 20 0b, before me, a STROOTMAN, who is personally known to me to be the same person whose nate acknowledged that he/she signed, sealed, and delivered the said instrument as hit there is set forth.	a notary public in and for said county, appeared DEBORAH me is subscribed to the foregoing instrument, and he/she s/her free and voluntary act for the uses and purposes
	Notary Public
(Seal)	My Commission Expires: 05 -01 - 2010

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**RECORDED: 01/10/2007**