

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Justus-Liebig Universitaet Giessen	07/18/2012
RECEIVING PARTY DATA	
Name:	Lung LLC, a wholly owned subsidiary of United Therapeutics Corporation
Street Address:	1077 Highway A1A
City:	Satellite Beach
State/Country:	FLORIDA
Postal Code:	32937
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13386006
CORRESPONDENCE DATA	
Fax Number:	2026725399
Phone:	(202) 672-5300
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Stephen B. Maebius
Address Line 1:	Foley & Lardner LLP
Address Line 2:	3000 K Street, NW, 6th Floor
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20007
ATTORNEY DOCKET NUMBER:	080618-1158
NAME OF SUBMITTER:	Stephen B. Maebius
Total Attachments: 2 source=080618-1158 Giessen to Lung#page1.tif source=080618-1158 Giessen to Lung#page2.tif	

OP \$40.00 13386006

PATENT ASSIGNMENT

WHEREAS Justus-Liebig Universitaet Giessen, of Ludwigstrasse 23, 34390 Giessen, Germany, (hereinafter "Assignor") is the owner of the following United States Letters Patent(s), and the invention(s) set forth therein, as shown by the records of the United States Patent and Trademark Office:

U.S. PATENT APPLICATION NO or U.S. PATENT NO.	FILING or GRANT DATE	TITLE
13/386,006	6/29/2010	LIPOSOMES FOR PULMONARY ADMINISTRATION

WHEREAS Lung LLC, a wholly owned subsidiary of United Therapeutics Corporation, 1077 Highway A1A, Satellite Beach, Florida 32937 (hereinafter referred to as "Assignee") is desirous of acquiring the full right, title and interest in and to said invention for the United States of America, and in and to said United States Patent Application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor has sold, assigned, transferred and set over, and by these presents hereby sells, assigns, transfers and sets over to Assignee the entire and exclusive right, title and interest in and to said inventions for the United States of America, and in and to said application for Letters Patent listed above, including any and all divisional, continuation, continuation-in-part, reissues or extensions thereof, to be held and enjoyed by Assignee for its own use as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made (as stipulated in the Assignment Agreement dated 1st of February, 2012); the Commissioner of Patents and Trademarks of the United States of America is hereby authorized to transfer the portion of the title indicated to said application to said Assignee in accordance herewith; this assignment being under covenant, that full power to make the same is had by the Assignor; Assignor hereby undertakes to execute and deliver to Assignee upon request all lawful documents which may be requested by Assignee, and to furnish Assignee with all facts relating to said invention as may be requested as stipulated in the Assignment Agreement dated 1st of February, 2012.

The undersigned hereby grant the firm of FOLEY & LARDNER LLP, the power 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.

Date: 18.07.2012

Justus-Liebig Universitaet Giessen

By: [Signature]
 Name: Lehmann, Andrea
 Title: Regierungsaberrat

Date: 18.07.2012

Witness: Kerstin Hoff

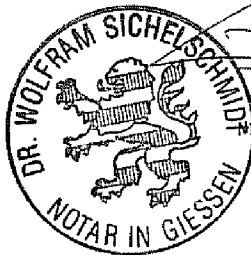
Date: 18.07.2012

Witness: Diane R. Ebe

State of Germany
ss.)

County of Hessen
Gießen

On this 18. day of July, 2012, before me, a notary public in and for said county, appeared the above named person, 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.



[Signature]
Notary Public
Commission Expires: December 2014