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Attorney Docket No.: ALLTECH-13265

03-14-2007



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U.S. Department of Commerce  
Patent and Trademark Office

103382234

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

3.8.07

1. Name(s) of conveying party(ies):

Thomas P. Lyons Ronan Power

Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party:

Alltech, Inc.  
Alltech Biotechnology Center  
3031 Catnip Hill Pike  
Nicholasville, KY 40345

Additional name(s) & address(es) attached? No

3. Nature of conveyance: **ASSIGNMENT**

Execution Date: 01/18/2007

4. Title of Invention: **Methods and Compositions for Altering Cell Function**

Application number(s) or patent number(s):

A. Patent Application No.(s):

11/581,243

B. Patent No.(s):

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Robert A. Goetz  
MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105

6. Total number of applications and patents involved: **1**

7. Total fee(s): Check in the amount of \$330.00 enclosed (\$65.00 surcharge for filing missing parts of an application, \$40.00 Assignment recordation fee and \$225.00 to cover the One Month Extension of Time).

8. Deposit Account Authorization:

The Commissioner is hereby authorized to charge any deficiency in the payment of the required fees, and/or credit any overpayment, to Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

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( 40.00 DP )

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9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.*

Date: March 5, 2007

Signature:

Name: Robert A. Goetz

Reg. No.: 55,210

Total number of pages including cover sheet, attachments, and document: **3**

PATENT  
REEL: 019021 FRAME: 0567

## ASSIGNMENT

WHEREAS, WE, Thomas P. Lyons & Ronan Power, hereinafter referred to as "ASSIGNOR," have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Methods and Compositions for Altering Cell Function**


Filing Date: **10/16/2006** Serial No.: **11/581,243**

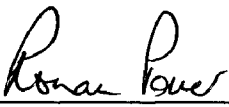
WHEREAS, Alltech, Inc., a Kentucky corporation having a place of business at Alltech Biotechnology Center, 3031 Catnip Hill Pike, Nicholasville, KY 40345, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE, and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's name to this Assignment on the date indicated below.

  
\_\_\_\_\_  
Thomas P. Lyons Date 1-18-07

  
\_\_\_\_\_  
Ronan Power Date 1-18-07

STATE OF Kentucky )  
COUNTY OF Jessamine ) ss.

On this 18<sup>th</sup> day of January, in the year of 2007, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR, known to me (or proven 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 that he/she/they executed the same.

SEAL

  
\_\_\_\_\_  
NOTARY PUBLIC or WITNESS

MY COMMISSION EXPIRES: Oct. 30, 2010