

Form PTO-1595 (Rev. 08/05)  
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Name of conveying party(ies):</b><br>Markus Kurz (11/17/2000),<br>Peter Lohse (11/17/2000), and<br>Richard W. Wagner (11/17/2000)<br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                    | <b>2. Name and address of receiving party(ies)</b><br>Name: <u>Phylos, Inc.</u><br>Internal Address: _____<br>Street Address: _____<br><br>128 Spring Street<br><br>City: <u>Lexington</u><br>State: <u>Massachusetts</u><br>Country: <u>United States of America</u> Zip: <u>02421</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                              |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s): <u>in parentheses after inventor name</u><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input type="checkbox"/> Executive Order 9424, Confirmatory License<br><input type="checkbox"/> Other _____ | <b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s) _____<br>B. Patent No.(s) <u>7,078,197</u><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                       |
| <b>5. Name and address to whom correspondence concerning document should be mailed:</b><br>Name: <u>Matthew P. Vincent, J.D., Ph.D.</u><br><u>FISH &amp; NEAVE IP GROUP, ROPES &amp; GRAY</u><br><u>LLP</u><br>Internal Address: <u>Atty. Dkt.: COTH-P02-510</u><br>Street Address: <u>One International Place</u><br><br>City: <u>Boston</u><br>State: <u>MA</u> Zip: <u>02110</u><br>Phone Number: <u>(617) 951-7739</u><br>Fax Number: <u>(617) 951-7050</u><br>Email Address: <u>MVincent@ropesgray.com</u>        | <b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span><br><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u><br><input type="checkbox"/> Authorized to be charged by credit card<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br><input type="checkbox"/> Enclosed<br><input type="checkbox"/> None required (government interest not affecting title) |
| <b>8. Payment Information</b><br>a. Credit Card Last 4 Numbers _____<br>Expiration Date _____<br>b. Deposit Account Number <u>18-1945</u><br>Authorized User Name <u>Matthew P. Vincent, J.D., Ph.D.</u>                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>9. Signature:</b><br><div style="text-align: center; margin-top: 20px;"> <br/> _____<br/> Signature<br/> <u>Z. Angela Guo, Ph.D. - 54,144</u><br/> Name of Person Signing </div> <div style="text-align: right; margin-top: 20px;"> <u>August 13, 2007</u><br/> Date<br/> Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">4</span> </div>                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: 8-13-07

Signature: Maura A. Gallagher (Maura A. Gallagher)

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## ASSIGNMENT

For valuable consideration, we,

| Full Name of Assignor | City        | State (and Country if not USA) |
|-----------------------|-------------|--------------------------------|
| Markus Kurz           | West Newton | Massachusetts                  |
| Peter Lohse           | Weston      | Massachusetts                  |
| Richard Wagner        | Concord     | Massachusetts                  |

hereby assign to

| Full Name of Assignee | State of Incorporation | Business Address                         |
|-----------------------|------------------------|------------------------------------------|
| Phylos, Inc.          | Delaware               | 128 Spring Street<br>Lexington, MA 02421 |

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

| Title of Application                 | Filing Date   | Serial Number |
|--------------------------------------|---------------|---------------|
| PEPTIDE ACCEPTOR<br>LIGATION METHODS | July 19, 2000 | 09/619,103    |
| PEPTIDE ACCEPTOR<br>LIGATION METHODS | July 27, 1999 | 60/145,834    |

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 128 SPRING ST, LEXINGTON, MA  
this 17 day of NOVEMBER, 2000

Markus Kurz L.S.

STATE OF MA:

COUNTY OF MIDDLESEX:

Before me this 17<sup>th</sup> day of November, 2000, personally appeared Markus Kurz known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

My Commission Expires: 1/28/05



IN WITNESS WHEREOF, I hereto set my hand and seal at 128 SPRING ST, LEXINGTON, MA  
this 17 day of NOVEMBER, 2000

Peter Lohse L.S.

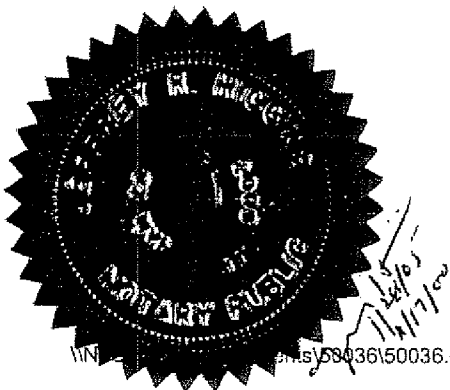
STATE OF MA:

COUNTY OF MIDDLESEX:

Before me this 17<sup>th</sup> day of November, 2000, personally appeared Peter Lohse known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

My Commission Expires: 1/28/05



IN WITNESS WHEREOF, I hereto set my hand and seal at 128 SPRING ST, LEXINGTON, MA,  
this 17 day of NOVEMBER, 2000

Richard W. Wagner  
Richard Wagner

L.S.

STATE OF MA:COUNTY OF MIDDLESEX:

:ss.

Before me this 17<sup>th</sup> day of November, 2000, personally appeared Richard Wagner  
known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged  
that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

My Commission Expires: 1/28/01