

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Philochem AG</td> <td>10/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Philochem AG	10/31/2012
Name	Execution Date				
Philochem AG	10/31/2012				
RECEIVING PARTY DATA					
Name:	Philogen S.p.A.				
Street Address:	La Lizza 7				
City:	53100 Siena				
State/Country:	ITALY				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012058574</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2012058574
Property Type	Number				
PCT Number:	US2012058574				
CORRESPONDENCE DATA					
Fax Number:	2155634044				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>					
Phone:	(215)563-4100				
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ATTORNEY DOCKET NUMBER:	5026-P05632WO01/KDR				
NAME OF SUBMITTER:	Kathleen D. Rigaut, Ph.D., J.D.				
Total Attachments: 2 source=Philochem_Philogen#page1.tif source=Philochem_Philogen#page2.tif					

CH \$40.00 US2012058574

**ASSIGNMENT OF INVENTION  
AND RELATED INTELLECTUAL PROPERTY RIGHTS**

**Parties:**

**1 'The Assignor'**  
**PHILOCHEM AG**  
Libernstrasse 3, CH8112 Otelfingen, Switzerland

**2 'The Assignee'**  
**PHILOGEN S.p.A.**  
of La Lizza 7, 53100 Siena, Italy

**Recitals:**

(A) The Assignor is owner by assignment of rights from its employee Dr. Kathrin Schwager in the invention or inventions entitled "*ANTIGENS ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE*" (hereinafter referred to as "the Invention") the specification of which was filed on 3 October 2012 as a PCT patent application n° PCT/US12/058574 ("the Patent Application")

(B) The Assignor has agreed to assign to the Assignee for the consideration hereinafter mentioned all its rights title and interest in to and under the Invention and the Patent Application

**Operative provisions:**

In consideration for the payment of € 1 by the Assignee to the Assignor the receipt and adequacy of which are hereby acknowledged by the Assignor:

1 The Assignor hereby sells and assigns to the Assignee absolutely and free from encumbrances:

1.1 all its rights title and interest in all countries of the world in to and under the Invention and the Patent Application;

1.2 all such rights as it may have to claim priority from the Patent Application in any and all applications for patent protection for the Invention, such right to be enjoyed by the Assignee as from the date of filing of the Patent Application, and any and all rights under any such further applications and all national and regional phases thereof and any and all divisionals, continuations and continuations-in-part of any of the aforesaid applications and any and all patents that may be granted pursuant thereto for the full period thereof including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates and including all rights and powers arising or accrued therefrom including the right to sue for damages and other remedies in respect of any infringement of any such rights before on or after the date hereof and to retain any damages obtained as a result of such action;

1.3 all such rights as it may have to apply for prosecute and obtain patents and other intellectual property protection anywhere in the world in respect of the Invention to the intent that the grant of any patents or other intellectual property protection for the Invention shall be in the name of and shall vest in the Assignee or its successors or assigns; to the intent that the Assignee shall have and hold the rights title and interest hereby assigned as fully and entirely as the same would have been held and enjoyed by the Assignor had this assignment not been made.

2 The Assignor hereby GRANTS the firm of Mewburn Ellis LLP the power to insert in the Schedule to this Assignment any further identification of any future patent applications in Canada or the United States or any other countries or regions of the world which shall fall within the scope of clause 1 above, as may be necessary or desirable in order to comply with the rules of the United

States Patent Office or the Canadian Patent Office or any other Patent Office for recordation of this document.

3 The Assignor hereby UNDERTAKES that at the request and cost of the Assignee or its successors or assigns it will at all times hereafter promptly do all such acts and execute all such documents as may be reasonably necessary or desirable to secure the vesting in the Assignee or its successors or assigns of all rights title and interest assigned to the Assignee hereunder and to confirm the title of the Assignee or its successors or assigns to all such rights title and interest and to assist in the resolution of any question concerning the Invention or any application for patent or other intellectual property protection for the Invention or any intellectual property protection granted pursuant to any such application.

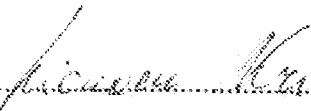
4 The Assignor hereby requests the relevant authorities in all countries of the world to issue any patents granted for the Invention in the name of the Assignee or its successors or assigns in accordance with this assignment.

5 This assignment and undertaking shall be binding upon the Assignor's heirs, executors, administrators, successors and/or assigns and shall ensure to the benefit of any heirs, executors, administrators, successors and/or assigns of the Assignee.

AS WITNESS the signatures of duly authorised officers of the parties hereto

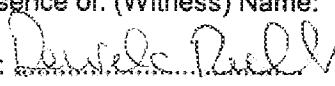
SIGNED for and on behalf of **PHILOGEN S.p.A**

on: October 31st 2012

Signature: .....  ..... (Giovanni Neri)

Position: Manager IP rights

in the presence of: (Witness) Name:


Signature: .....  .....

Name: Daniela Renzulli

Address: loc. Bellaria 35, Sovicille (SI), ITALY

SIGNED for and on behalf of **PHILOCHEM AG**

on: October 31st 2012

Signature: .....  ..... (Duccio Neri)

Position: President

in the presence of: (Witness) Name:

Signature: .....  .....

Name: Daniela Renzulli

Address: loc. Bellaria 35, Sovicille (SI), ITALY