

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Soo In Kim</td> <td>11/02/2009</td> </tr> <tr> <td>German Bekker</td> <td>11/07/2009</td> </tr> <tr> <td>Sergey I. Chernysh</td> <td>11/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	Soo In Kim	11/02/2009	German Bekker	11/07/2009	Sergey I. Chernysh	11/07/2009				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ENTOPHARM CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>3F Jinyang Building, 1532-9 Seocho-dong</td> </tr> <tr> <td>Internal Address:</td> <td>Seocho-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>137-871</td> </tr> </table>		Name:	ENTOPHARM CO., LTD.	Street Address:	3F Jinyang Building, 1532-9 Seocho-dong	Internal Address:	Seocho-gu	City:	Seoul	State/Country:	REPUBLIC OF KOREA	Postal Code:	137-871
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (202)857-6395  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2028576000</p> <p>Email: dcipdocket@arentfox.com, granados.pat@arentfox.com, canales.kristy@arentfox.com</p> <p>Correspondent Name: ARENT FOX LLP</p> <p>Address Line 1: 1050 Connecticut Avenue NW, Suite 400</p> <p>Address Line 2: Attention: Patricia D. Granados</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20036-5339</p>													
ATTORNEY DOCKET NUMBER:	029368-00005 PDG												
NAME OF SUBMITTER:	Patricia D. Granados, Reg. No. 33683												

OP \$40.00 6337093

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**PATENT**  
**REEL: 023679 FRAME: 0435**

Total Attachments: 1  
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Docket No. 029368.00005

## WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

ENTOPHARM CO., LTD.  
3F Jinyang building, 1532-9 Seocho-dong  
Seocho-gu, Seoul 137-871  
Korea

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled

### IMMUNOMODULATORY AND ANTIMIBICROBIAL MATERIALS, THEIR PREPARATION AND USE

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on December 2, 1999, Serial No. 09/452,464  
(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)  
Now U.S. Patent No. 6,337,093 granted January 8, 2002

and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof, and any other applications claiming priority thereto, and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

  
(SIGNATURE)Soo In. KIMNov. 2, 2009  
(DATE)  
(SIGNATURE)German BEKKERNov. 7, 2009  
(DATE)  
(SIGNATURE)Sergey I. CHERNYSHNov. 7, 2009  
(DATE)