

PATENT ASSIGNMENT

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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>Charles W. Bishop</td> <td>03/18/2009</td> </tr> <tr> <td>Keith H. Crawford</td> <td>10/19/2012</td> </tr> <tr> <td>Eric J. Messner</td> <td>10/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Charles W. Bishop	03/18/2009	Keith H. Crawford	10/19/2012	Eric J. Messner	10/15/2012
Name	Execution Date								
Charles W. Bishop	03/18/2009								
Keith H. Crawford	10/19/2012								
Eric J. Messner	10/15/2012								
RECEIVING PARTY DATA									
Name:	PROVENTIV THERAPEUTICS, LLC								
Street Address:	2333 Waukegan Road								
Internal Address:	Suite E100								
City:	Bannockburn								
State/Country:	ILLINOIS								
Postal Code:	60015								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13746982</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13746982				
Property Type	Number								
Application Number:	13746982								
CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	312-474-6300								
Email:	tsevcik@marshallip.com								
Correspondent Name:	Vivien Chen Nielsen								
Address Line 1:	233 S. Wacker Drive								
Address Line 2:	Suite 6300								
Address Line 4:	Chicago, ILLINOIS 60606								
ATTORNEY DOCKET NUMBER:	31138/43029D								
NAME OF SUBMITTER:	Vivien C. Nielsen								
Total Attachments: 5									

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MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, Suite 6300, Sears Tower, Chicago, Illinois 60606-6357

ASSIGNMENT

Serial No: 12/109,983
Filed: April 25, 2008
Title: Methods and Compositions for Controlled Release Oral Dosage of a Vitamin D Compound

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns to PROVENTIV THERAPEUTICS, LLC, 2333 Waukegan Road, Suite E100, Bannockburn, IL, 60015 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the above-identified application for letters patent and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this

18th

day of

March

, 2009

Witnesses:

Charles W. Bishop

Name: Charles W. Bishop

Sheila Keegan

Name: Sheila Keegan

Sheldon Kawarsky

Name: Sheldon Kawarsky

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, Illinois

ASSIGNMENT

Serial Nos: US 12/109,983 and PCT/US08/61579

Filed: April 25, 2008

Title: METHODS AND COMPOSITIONS FOR CONTROLLED RELEASE ORAL DOSAGE OF A VITAMIN D COMPOUND

For \$10.00 (Ten Dollars) and good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to PROVENTIV THERAPEUTICS, LLC, 2333 Waukegan Road, Suite E100, Bannockburn, Illinois 60015 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the above-identified patent applications and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

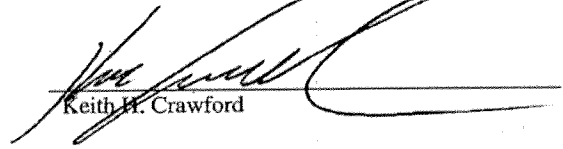
The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

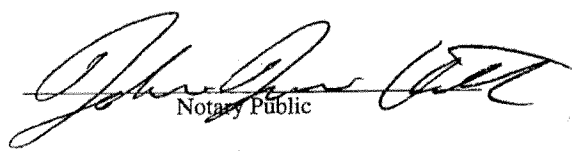
For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 19th day of OCTOBER, 2012.

State of CO
County of DOUGLAS


Keith H. Crawford

On this 19th day of OCTOBER, 2012, before me, a Notary Public in and for the County and State aforesaid, appeared Keith H. Crawford, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 03-01-2015 
Notary Public

JOSHUA JAMES HIATT
NOTARY PUBLIC
STATE OF COLORADO
MY COMMISSION EXPIRES 03/01/2016

WITNESS my hand this

15 day of OCTOBER, 2012.

State of Illinois
County of Clark

[Signature]
Eric J. Messner

On this 15th day of October, 2015, before me, a Notary Public in and for the County and State aforesaid, appeared Eric J. Messner, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

December 14, 2015 Judith L. Sandahl
Notary Public

