

## 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>Ahmad Y. Sheikh</td> <td>08/28/2013</td> </tr> <tr> <td>Moiz Diwan</td> <td>08/28/2013</td> </tr> <tr> <td>Agnes E. Pal</td> <td>08/28/2013</td> </tr> <tr> <td>Yuchuan Gong</td> <td>08/28/2013</td> </tr> <tr> <td>Paul J. Brackemeyer</td> <td>08/28/2013</td> </tr> <tr> <td>Geoff Zhang</td> <td>08/28/2013</td> </tr> <tr> <td>Seble Wagaw</td> <td>08/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ahmad Y. Sheikh	08/28/2013	Moiz Diwan	08/28/2013	Agnes E. Pal	08/28/2013	Yuchuan Gong	08/28/2013	Paul J. Brackemeyer	08/28/2013	Geoff Zhang	08/28/2013	Seble Wagaw	08/28/2013
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<table border="1"> <tr> <td>Name:</td> <td>AbbVie Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 North Waukegan Road</td> </tr> <tr> <td>Internal Address:</td> <td>AP34-2, V377</td> </tr> <tr> <td>City:</td> <td>North Chicago</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60064</td> </tr> </table>		Name:	AbbVie Inc.	Street Address:	1 North Waukegan Road	Internal Address:	AP34-2, V377	City:	North Chicago	State/Country:	ILLINOIS	Postal Code:	60064				
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CORRESPONDENCE DATA																	
Fax Number:	8479382623																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	847.935.1133																
Email:	Kim.Canchola@abbvie.com																
Correspondent Name:	Xu Zhang																
Address Line 1:	1 North Waukegan Road																
Address Line 2:	AP34-2, V377																
Address Line 4:	North Chicago, ILLINOIS 60064																

CH \$40.00 13939873

ATTORNEY DOCKET NUMBER:	11249USO1
NAME OF SUBMITTER:	Xu Zhang
Signature:	/Xu Zhang/
Date:	08/29/2013
Total Attachments: 2 source=11249USO1_ASSIGNMENT#page1.tif source=11249USO1_ASSIGNMENT#page2.tif	

**ASSIGNMENT**

WHEREAS, Ahmad Y. Sheikh of Deerfield, IL 60015, Moiz Diwan of Gurnee, IL, Agnes E. Pal of Grayslake, IL 60030, Yuchuan Gong of Waukegan, IL 60085, Paul J. Brackemeyer of Mt. Prospect, IL 60056, Geoff Zhang of Vernon Hills, IL 60061, Seble Wagaw of Evanston, IL 60201; hereinafter called the "Assignors", have made the invention described in the United States patent application entitled "CRYSTALLINE FORMS OF HCV INHIBITOR" that has a U.S. Patent Application Serial Number of 13/939,873 and was filed on July 11, 2013;

WHEREAS, AbbVie Inc., a corporation organized and existing under the laws of Delaware, having a place of business at North Chicago, Illinois 60064, hereinafter called the "Assignee"; desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefore in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment

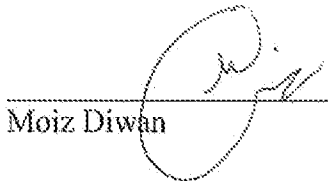
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.



Ahmad Y. Sheikh

08-28-2013

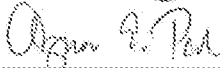
Date



Moiz Diwan

08-28-2013

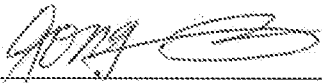
Date



Agnes E. Pal

08/28/2013

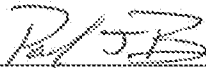
Date



Yuchuan Gong

08/28/2013

Date



Paul J. Brackemeyer

8-28-13

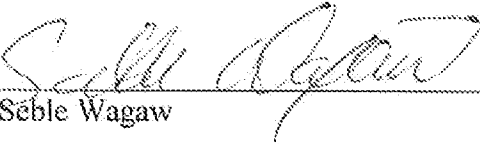
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Geoff Zhang

8/28/2013

Date



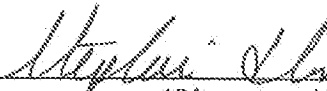
Seble Wagaw

08/28/2013

Date

Subscribed to and sworn before me this 28 day of August, 2013.

A Notary Public in and for  
Lake County, Illinois



(Signature)



Stephanie Hoppe, Notary Public  
My commission expires October 14, 2014