

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4093328

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GEORGE D. HARTMAN	10/12/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NOVIRA THERAPEUTICS, INC	
<b>Street Address:</b>	3805 OLD EASTON ROAD	
<b>City:</b>	DOYLESTOWN	
<b>State/Country:</b>	PENNSYLVANIA	
<b>Postal Code:</b>	18902	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15280321	
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	584835: NTT-024	
<b>NAME OF SUBMITTER:</b>	BRIAN C. TRINQUE, PH.D., ESQ.	
<b>SIGNATURE:</b>	/BRIAN C. TRINQUE/	
<b>DATE SIGNED:</b>	10/12/2016	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT**

WHEREAS, I, **George D. Hartman of Lansdale, PA**, a citizen of the **United States of America**, has invented a certain new and useful invention, described in the following patent application:

**CRYSTALLINE FORMS OF A HEPATITIS B ANTIVIRAL AGENT**  
**U.S. Patent Application No. 15/280,321: filed September 29, 2016**

for which we are about to make or have made application for Patent of the United States;  
and

WHEREAS, **NOVIRA THERAPEUTICS, INC** (hereinafter referred to as Assignee) a corporation having its principal place of business at 3805 Old Easton Road, Doylestown, PA 18902 is desirous of acquiring all rights, title and interests in and to said invention, said applications, and in and to any and all patents which may be granted for or upon said invention and applications in the United States of America and anywhere in the world.

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this patent application, and all divisions, and continuations thereof, and all Patents of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above patent application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for patent which may hereafter be filed for this invention in any foreign country and all patents which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, as well as supplementary protection certificates; and we hereby authorize and request the

Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize and request, if necessary, that the attorneys having Power of Attorney in this application, insert above the filing date and application number of said application when known.

ALL of the above shall be held and enjoyed by said **NOVIRA THERAPEUTICS, INC.**, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the patent in accordance with this Assignment.

This assignment to have effect as of the filing date **September 29, 2016.**

Oct 12, 2016

Date:

George D. Hartman  
George D. Hartman

Signed in my presence and acknowledged to be an assignment of the application herein  
above referred to:

WITNESS

MARY JANE HARTMAN

Name

Mary Jane Hartman

Signature

Oct 12, 2016

Date