

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>Patricia Oliver-Shaffer</td> <td>03/29/2013</td> </tr> <tr> <td>Gideon Shapiro</td> <td>03/29/2013</td> </tr> <tr> <td>Richard Chesworth</td> <td>03/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Patricia Oliver-Shaffer	03/29/2013	Gideon Shapiro	03/29/2013	Richard Chesworth	03/29/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>EnVivo Pharmaceuticals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>500 Arsenal Street</td> </tr> <tr> <td>City:</td> <td>Watertown</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02472</td> </tr> </table>		Name:	EnVivo Pharmaceuticals, Inc.	Street Address:	500 Arsenal Street	City:	Watertown	State/Country:	MASSACHUSETTS	Postal Code:	02472
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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>13698759</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13698759						
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CORRESPONDENCE DATA											
Fax Number: 2026261700 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2028795467 Email: kmhutchison@jonesday.com Correspondent Name: Paul L. Sharer Address Line 1: 222 East 41st Street Address Line 2: c/o Jones Day Address Line 4: New York, NEW YORK 10017											
ATTORNEY DOCKET NUMBER:	013171-0004-999										
NAME OF SUBMITTER:	Paul L. Sharer										
Signature:	/Paul L Sharer/										

Date:

04/03/2013

Total Attachments: 3

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Please return signed/recorded to:
Jones Day
Intellectual Property Group
51 Louisiana Avenue, N.W.
Washington, D.C. 20001-2113

Attorney Reference: 013171-0004-999
Client Reference: EVP-52WO

ASSIGNMENT OF NON-PROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Patricia Oliver-Shaffer (3) Richard Chesworth	(2) Gideon Shapiro <input type="checkbox"/> x box if continued on page 2
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(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF INVENTION	A Crystalline Form of (R)-7-chloro-N-(Quinuclidin-3-yl)benzo[B] thiophene-2-Carboxamide Hydrochloride Monohydrate
-----------------------	---

for which applications for Letters Patents of the United States of America:

- (A) ☐ were executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or
(B) ☒ were filed on 17 May 2011 as Application No. PCT/US2011/036844

AND WHEREAS,


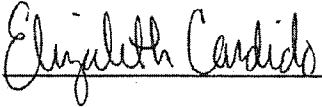
INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	EnVivo Pharmaceuticals, Inc. 500 Arsenal Street Watertown, Massachusetts 02472 United States of America
--	--

(hereinafter "ASSIGNEE"), desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we hereunto set our respective signatures on the day and year set forth below.

	<u>INVENTOR SIGNATURES</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1)		<u>3-29-13</u>	
Name:	Patricia Oliver-Shaffer		
2)			
Name:	Gideon Shapiro		
3)			
Name:	Richard Chesworth		

Please return signed/recorded to:
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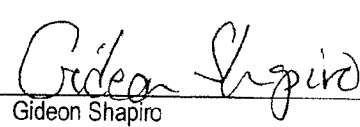
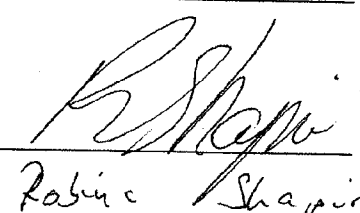
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DATE SIGNED

WITNESSES

1)	_____	_____	_____
Name:	Patricia Oliver-Shaffer		
2)		<u>03/29/2013</u>	
Name:	Gideon Shapiro		Robin Shapiro
3)	_____	_____	_____
Name:	Richard Chesworth		

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Name: Patricia Oliver-Shaffer

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Name: Gideon Shapiro

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Name: Richard Chesworth

3/29/2013

Rm. Cohen

PATENT

RECORDED: 04/03/2013

REEL: 030143 FRAME: 0444