

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HANS PETTER KLEPPEN	01/30/2017
EIRIK BARDESEN	01/30/2017
JUAN JOSE JIMENEZ MARTINEZ	01/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ACD PHARMACEUTICALS AS
<b>Street Address:</b>	LUFTHAVNVEIEN 11
<b>City:</b>	LEKNES
<b>State/Country:</b>	NORWAY
<b>Postal Code:</b>	8370
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15315824
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(330)434-8888
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<b>ATTORNEY DOCKET NUMBER:</b>	41674.50003
<b>NAME OF SUBMITTER:</b>	DANIEL A. THOMSON
<b>SIGNATURE:</b>	/Daniel A. Thomson/
<b>DATE SIGNED:</b>	02/15/2017
<b>Total Attachments: 2</b>	
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Docket No.: 41674.50003  
Application No.: 15/315,824  
Filed Date: December 2, 2016

### ASSIGNMENT

WHEREAS, we,

**HANS PETTER KLEPPEN**  
Hans Nielsen Haugesgate 42  
Oslo, Norway 0481;

**EIRIK BÅRDSSEN**  
Åkebergveien 42B  
Oslo, Norway 0650;

**JUAN JOSÉ JIMÉNEZ MARTÍNEZ**  
Nordre Skuterudvei 12  
Ås, Norway 1432

have invented certain improvements in a BIOREACTOR AND USES THEROF, and described in patent application no. 15/315,824 filed on the 2nd day of December 2016, by the undersigned for filing in The United States of America, being owner of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, **ACD PHARMACEUTICALS AS**, Lufthavnveien 11, Leknes, Norway 8370, a corporation in Norway (assignee) is desirous of acquiring the entire right, title, and interest in and to said application and said invention described therein and any and all patents to be obtained therefore, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

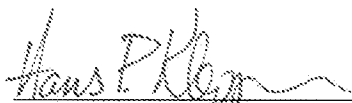
The undersigned further agrees to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without

further consideration, but without expense to themselves, which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To co-operate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorizes said assignee to insert in this Assignment the serial number and filing date of the above-identified application when known.


IN WITNESS WHEREOF, the undersigned has hereunto set his hand on the date set after his signature.

  
HANS PETTER KLEPPEN, 30/1, 2017  
Date

IN WITNESS WHEREOF, the undersigned has hereunto set his hand on the date set after his signature.

  
EIRIK BÅRDSSEN, 30/1, 2017  
Date

IN WITNESS WHEREOF, the undersigned has hereunto set his hand on the date set after his signature.

  
JUAN JOSÉ JIMÉNEZ MARTÍNEZ, 30/1, 2017  
Date