

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2908770

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS W. RUCKDESCHEL	09/21/2009
CHARLES A. BUCKNER III	09/21/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ORIEL THERAPEUTICS, INC.
<b>Street Address:</b>	630 DAVIS DRIVE
<b>Internal Address:</b>	SUITE 120
<b>City:</b>	DURHAM
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27713
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14163156
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	crose@myersbigel.com
<b>Correspondent Name:</b>	MYERS BIGEL SIBLEY & SAJOVEC, P.A.
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<b>ATTORNEY DOCKET NUMBER:</b>	9336-28TSDV (1)
<b>NAME OF SUBMITTER:</b>	JULIE H. RICHARDSON
<b>SIGNATURE:</b>	/Julie H. Richardson/
<b>DATE SIGNED:</b>	06/23/2014
<b>Total Attachments: 3</b>	
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source=9336_28TSDV_Assignment(1)#page3.tif	

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Thomas W. Ruckdeschel** residing in Cary, North Carolina and **Charles Buckner**<sup>III</sup> residing in Chapel Hill, North Carolina, both citizens of the United States of America;      *CB Jan 22 2014*

WITNESSETH: That,

WHEREAS, we are some of the joint inventors of certain new and useful improvements in **INHALERS WITH AIRWAY DISKS HAVING DISCRETE AIRWAY CHANNELS AND RELATED DISKS AND METHODS**, for which a U.S. Patent application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office and for which an application has been filed, or is being concurrently filed, as a PCT application with the United States Patent and Trademark Office as the International Receiving Office. We hereby authorize and request that Myers Bigel Sibley & Sajovec, P.A. insert here in parentheses (Application No. 12/566,799, filed September 25, 2009, and PCT Application No. PCT/US2009/058285 September 25, 2009) the filing date and application numbers of said U.S. Patent and PCT applications when known or to file this Assignment concurrently with the said applications; and

WHEREAS, **Oriel Therapeutics, Inc.**, a North Carolina corporation having a principal place of business at 630 Davis Drive, Suite 120, Durham, North Carolina, 27713, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention(s) as described in said application(s), and in and to any and all Letters Patent which shall be granted thereon in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said Assignee, its successors and assigns, the entire right, title, and interest in and to said invention(s) and application(s), and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application(s) in all foreign countries in accordance with the International

Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention(s) and application(s) above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said Assignee or its representatives any facts known to us relating to said invention(s), to testify in any interference or legal proceedings involving said invention(s), to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention(s) in all countries and to vest in the Assignee complete title to the said invention(s) and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said Assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21<sup>st</sup> day of September, 2009.

Thomas W. Ruckdeschel (SEAL)  
Thomas W. Ruckdeschel

Charles Burkner

Witness

9/21/09

Date

[Signature]

Witness

9/21/09  
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21 day  
of September, 2009.

Charles Buckner III (SEAL)  
Charles Buckner III

CB Jan. 22 2014

Ther W. Rutledge 21 September 2009

Witness

Date

[Signature]

21 Sept 09

Witness

Date

IN WITNESS WHEREOF, the Assignee, by signature below, hereby confirms and  
accepts receipt of this assignment. The undersigned warrants and represents that he/she has  
the authority to sign this Assignment on behalf of the Assignee, **Oriel Therapeutics, Inc.**

By: [Signature] (SEAL)

Title: PRESIDENT & COO

Ther W. Rutledge 21 September 2009

Witness

Date

[Signature]

21 Sept 09

Witness

Date