

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4426665

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANTHONY RICHARD GERARDI	05/05/2017
JERRY WAYNE MARSHALL	05/11/2017
MARVIN GLENN RIDDICK	04/18/2017
RECEIVING PARTY DATA	
Name:	R.J. REYNOLDS TOBACCO COMPANY
Street Address:	401 NORTH MAIN STREET
City:	WINSTON-SALEM
State/Country:	NORTH CAROLINA
Postal Code:	27101
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15480554
CORRESPONDENCE DATA	
Fax Number:	(919)755-2150
<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>	
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Email:	dgravius@wcsr.com
Correspondent Name:	JESSICA L. GORCZYNSKI
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Address Line 2:	WOMBLE CARLYLE SANDRIDGE & RICE, LLP
Address Line 4:	RALEIGH, NORTH CAROLINA 27601
ATTORNEY DOCKET NUMBER:	R60999 12510US.1 (1198.9)
NAME OF SUBMITTER:	JESSICA L. GORCZYNSKI
SIGNATURE:	/jessica l. gorczyński/
DATE SIGNED:	05/23/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 5	
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**COMBINED WORLDWIDE INVENTION ASSIGNMENT AND
U.S. DECLARATION (37 CFR 1.63)**

WHEREAS, the undersigned (hereinafter collectively referred to as "Assignor") has or may have invented certain inventions and improvements disclosed in the United States patent application entitled "**SMOKE TREATMENT**" and designated as

- Application No. 15/480,554; filed April 6, 2017
- Application claims priority from Application No. , filed , all applications listed above being hereinafter referred to as the "Application(s)";

WHEREAS, it is agreed that

R.J. Reynolds Tobacco Company
401 North Main Street
Winston-Salem, NC 27101

(hereinafter referred to as "Assignee"), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, does sell, assign, and transfer unto Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all inventions and improvements disclosed and described in the Application(s); (ii) in and to said Application(s) and any other United States national stage, provisional, non-provisional, divisional, continuation, continuation-in-part, or design patent applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s) (the "U.S. Applications"); (iii) in and to any Patent Cooperation Treaty applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv) in and to any and all applications for industrial property protection, including without limitation applications for patent, utility model, inventor's certificate, and design, filed or which are hereafter filed in countries outside the United States (the "Foreign Applications") and which describe in whole or in part said inventions and improvements, said Foreign Applications to be

filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.

AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns, any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments, and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignor covenants with Assignee, its successors, legal representatives, and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives, and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is effective at least as early as April 6, 2017 the earliest priority date of the Application(s).

U.S. DECLARATION: Assignor intends for this Assignment to serve as a U.S. declaration under 37 CFR 1.63(e)(1). Accordingly, with respect to the U.S. Applications identified herein, each undersigned inventor hereby declares that: (1) the above-identified application was made or authorized to be made by me; (2) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and (3) I hereby

acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

May 5, 2017
Date

Anthony Richard Gerardi
ANTHONY RICHARD GERARDI

State of North Carolina
County of Forsyth

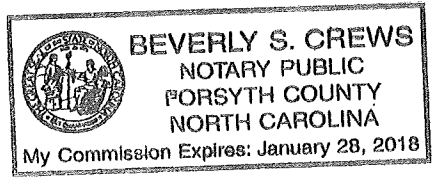
I, Beverly S Crews, a Notary Public for said County and State, do hereby certify that ANTHONY RICHARD GERARDI personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 5 day of May, 2017

(Official Seal)

Beverly S Crews
Notary Public

My commission expires 1/28/2018



May 11, 2017
Date

Jerry Wayne Marshall
JERRY WAYNE MARSHALL

State of North Carolina

County of Forsyth

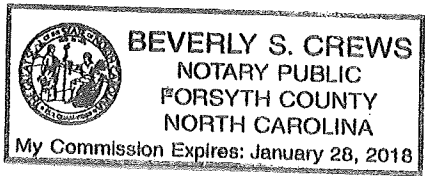
I, Beverly S Crews, a Notary Public for said County and State, do hereby certify that JERRY WAYNE MARSHALL personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of May, 2017.

(Official Seal)

Beverly S Crews
Notary Public

My commission expires 1/28/2018



4/18/2017
Date

Marvin Glenn Riddick
MARVIN GLENN RIDDICK

State of North Carolina
County of Forsyth

I, Beverly S Crews, a Notary Public for said County and State, do hereby certify that MARVIN GLENN RIDDICK personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 18 day of April, 2017.

(Official Seal)

Beverly S Crews
Notary Public

My commission expires 1/28/2018

