

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2667106

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>FREDERIC PHILIPPE AMPOLINI</td> <td>04/23/2013</td> </tr> <tr> <td>MICHAEL RYAN GALLOWAY</td> <td>04/22/2013</td> </tr> <tr> <td>SCOTT INGHAM</td> <td>08/29/2013</td> </tr> <tr> <td>ALLEN MICHAEL EAST</td> <td>09/06/2013</td> </tr> <tr> <td>GLEN KIMSEY</td> <td>08/29/2013</td> </tr> <tr> <td>KEITH WILLIAM ANDERSON</td> <td>08/30/2013</td> </tr> <tr> <td>RAYMOND C. HENRY JR.</td> <td>08/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	FREDERIC PHILIPPE AMPOLINI	04/23/2013	MICHAEL RYAN GALLOWAY	04/22/2013	SCOTT INGHAM	08/29/2013	ALLEN MICHAEL EAST	09/06/2013	GLEN KIMSEY	08/29/2013	KEITH WILLIAM ANDERSON	08/30/2013	RAYMOND C. HENRY JR.	08/30/2013
Name	Execution Date																
FREDERIC PHILIPPE AMPOLINI	04/23/2013																
MICHAEL RYAN GALLOWAY	04/22/2013																
SCOTT INGHAM	08/29/2013																
ALLEN MICHAEL EAST	09/06/2013																
GLEN KIMSEY	08/29/2013																
KEITH WILLIAM ANDERSON	08/30/2013																
RAYMOND C. HENRY JR.	08/30/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>R. J. REYNOLDS TOBACCO COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>401 NORTH MAIN STREET</td> </tr> <tr> <td>City:</td> <td>WINSTON-SALEM</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27101</td> </tr> </table>		Name:	R. J. REYNOLDS TOBACCO COMPANY	Street Address:	401 NORTH MAIN STREET	City:	WINSTON-SALEM	State/Country:	NORTH CAROLINA	Postal Code:	27101						
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																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13837542</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13837542												
Property Type	Number																
Application Number:	13837542																
CORRESPONDENCE DATA																	
Fax Number:	(919)755-2150																
Phone:	919-755-8151																
Email:	patentdocketing@wcsr.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	KEVIN R. LYN																
Address Line 1:	P.O. BOX 7037																
Address Line 2:	WOMBLE CARLYLE SANDRIDGE & RICE, LLP																
Address Line 4:	ATLANTA, GEORGIA 30357-0037																
NAME OF SUBMITTER:	KEVIN R. LYN																
<b>PATENT</b>																	

Signature:	/kevin r. lyn/
Date:	01/03/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 9</b> source=R60999-2980US-1-Assignment#page1.tif source=R60999-2980US-1-Assignment#page2.tif source=R60999-2980US-1-Assignment#page3.tif source=R60999-2980US-1-Assignment#page4.tif source=R60999-2980US-1-Assignment#page5.tif source=R60999-2980US-1-Assignment#page6.tif source=R60999-2980US-1-Assignment#page7.tif source=R60999-2980US-1-Assignment#page8.tif source=R60999-2980US-1-Assignment#page9.tif	

**WORLDWIDE INVENTION ASSIGNMENT**

WHEREAS, the undersigned (hereinafter referred to as "Assignor") has or may have invented certain inventions and improvements disclosed in the United States patent application entitled "**HEATING CONTROL ARRANGEMENT FOR AN ELECTRONIC SMOKING ARTICLE AND ASSOCIATED SYSTEM AND METHOD**" and designated as

- Application No. 13/837,542; filed March 15, 2013
- 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, North Carolina 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 March 15, 2013 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.

Date 4/23/2013

Frederic Philippe Ampolini  
Frederic Philippe Ampolini

State of North Carolina

County of Forsyth

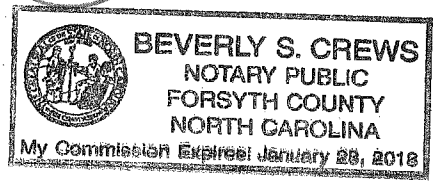
I, Beverly S Crews, a Notary Public for said County and State, do hereby certify that Frederic Philippe Ampolini personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 23 day of April, 2013.

(Official Seal)

Beverly S Crews  
Notary Public

My commission expires 1/28/2018



4/22/2013  
Date

Michael Ryan Galloway  
Michael Ryan Galloway

State of North Carolina )

County of Forsyth )

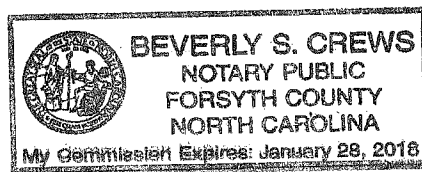
I, Beverly S Crews, a Notary Public for said County and State, do hereby certify that Michael Ryan Galloway personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 22 day of April, 2013.

(Official Seal)

My commission expires 1/28/2018

Beverly S Crews  
Notary Public



8/29/13  
Date

Scott Ingham  
Scott Ingham

State of NC

County of Wake

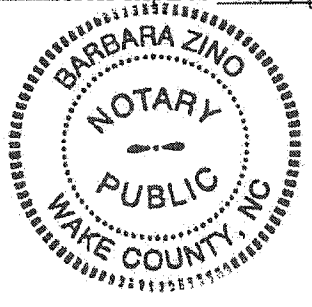
I, Barbara Zino, a Notary Public for said County and State, do hereby certify that Scott Ingham personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29th day of August, 2013

(Official Seal)

Barbara Zino  
Notary Public

My commission expires 01-19-2015



Date 09/06/2013

Allen Michael East  
Allen Michael East

State of North Carolina )  
County of WAKE )

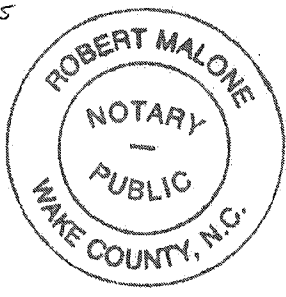
I, ROBERT MALONE, a Notary Public for said County and State, do hereby certify that Allen Michael East personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 6<sup>th</sup> day of September, 2013.

(Official Seal)

Robt Mal  
Notary Public

My commission expires 03/16/2015





08-29-2013

Date

*Glen Kimsey*  
Glen Kimsey

State of NORTH CAROLINA )

County of WAKE )

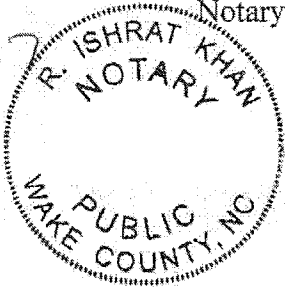
I, RISHRAT KHAN, a Notary Public for said County and State, do hereby certify that Glen Kimsey personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29<sup>th</sup> day of August, 2013.

(Official Seal)

*Rishrat Khan*  
Notary Public

My commission expires June 9, 2017



8/30/13

Date

*Keith William Anderson*

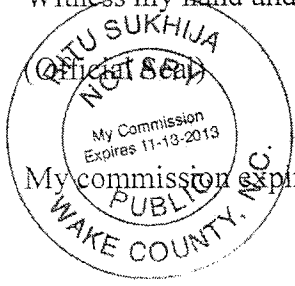
Keith William Anderson

State of N.C.

County of WAKE

I, Ritu Sukhija, a Notary Public for said County and State, do hereby certify that Keith William Anderson personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 30 day of Aug, 2013.



*Ritu Sukhija*

Notary Public

My commission expires Nov 13, 2013

Date 8/30/2013

[Signature]  
Raymond C. Henry, Jr.

State of N-C

County of WAKE

I, RITA SUKUNA, a Notary Public for said County and State, do hereby certify that Raymond C. Henry, Jr. personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 30 day of Aug, 2013.



[Signature]  
Notary Public

My commission expires Nov 13, 2013

WCSR 7719990v1