## 504678962 12/08/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4725684

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

### **CONVEYING PARTY DATA**

Name	Execution Date
ANTHONY RICHARD GERARDI	09/18/2014
DANIEL VERDIN CANTRELL	09/18/2014
BARRY SMITH FAGG	09/18/2014
JEFF L. SHEAR	09/09/2014
ALVIN KERSHMAN	09/09/2014
JEREMY BARRETT MABE	09/18/2014

### **RECEIVING PARTY DATA**

Name:	R.J. REYNOLDS TOBACCO COMPANY
Street Address:	401 NORTH MAIN STREET
City:	WINSTON-SALEM
State/Country:	NORTH CAROLINA
Postal Code:	27101-3804

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15836058	

### **CORRESPONDENCE DATA**

Fax Number:

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.

**Phone:** 202-672-5300

**Email:** gbenoy@foley.com, ipdocketing@foley.com

Correspondent Name: FOLEY & LARDNER LLP Address Line 1: 3000 K STREET N.W.

Address Line 2: SUITE 600

Address Line 4: WASHINGTON, D.C. 20007-5109

ATTORNEY DOCKET NUMBER:	107977-0217	
NAME OF SUBMITTER:	MARSHALL J BROWN	
SIGNATURE:	/marshall j brown/	
DATE SIGNED:	12/08/2017	

PATENT 504678962 REEL: 044341 FRAME: 0700

# Total Attachments: 7 source=107977-0217\_ParentAssignment#page1.tif source=107977-0217\_ParentAssignment#page2.tif source=107977-0217\_ParentAssignment#page3.tif source=107977-0217\_ParentAssignment#page4.tif source=107977-0217\_ParentAssignment#page5.tif source=107977-0217\_ParentAssignment#page6.tif source=107977-0217\_ParentAssignment#page7.tif

PATENT REEL: 044341 FRAME: 0701

### ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

R.J. Reynolds Tobacco Company 401 North Main Street Winston-Salem, North Carolina 27101-3804

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

### SMOKELESS TOBACCO PRODUCTS

check one	executed concurrently herewith,
	[ ] executed on ,
	[X] Serial No. 14/458,950 Filed 8/13/2014

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Page 1 of 5

4831-6894-7741.1

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 18 day of 5 pt
ANTHONY RICHARD GERARDI
State of No. W. Carsina.
County of (S) Sylvery)
On this day of Secretaria 2014, before me Canal Secretaria (a notary public in and for said county), personally appeared ANTHONY RICHARD GERARDI, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
Signature State St
My Commission Expires: 128 2018 My Commission Expires: 128 2018  My Commission Expires: 128 2018  My Commission Expires: 128 2018
Executed this 17 day of 3/1/4/20/4
DANIEL VERDIN CANTRELL State of Now 47 (218:10)
County of Frankly (1)
On this V day of SEARCH 2018, before me, SEARCH S. CREAS (a notary public in and for said county), personally appeared DANIEL VERDIN CANTRELL, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.  Signature Associated BEVERLY 8. CREWS NOTATY PUBLIC PORSYTH COUNTY NORTH CAROLINA Ay Commission Expires: 420 2018

Executed this 10th day of September, 2014.
Buy Smith Jazz
State of North Country
County of Formal )
On this day of Soft of
WITNESS my hand and official scale BEVERLY 8. CREWS
Signature Signat
My Commission Expires: 125 2018 My Commission Expires: January 20, 2018
Executed this day of, 20
JEFF L. SHEAR State of)
County of)
On thisday of, 20, before me,
WITNESS my hand and official seal.
Signature
My Commission Expires:

Executed this day of, 20
BARRY SMITH FAGG
State of)
County of)
On thisday of
WITNESS my hand and official seal.
Signature
St. Commission Emirac
My Commission Expires:
Executed this 9th day of September, 2014.
and the second of the second o
JEFF L. SHEAR
State of Wissouri
County of Saint Louis
On this <u>IB</u> day of <u>September</u> , 2014, before me, <u>Pamela Sue UVaganer</u> (a notary public in and for said county), personally appeared IEFF L. SHEAR, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
Signature Tanul Sur Washer House Sand
My Commission Expires. Feb 12, 2017  State of Misseuri, M Louis County Commission Expires 7th 15, 2017  My Commission Expires 7th 15, 2017

Atty. Dkt. No. 107977-0192
Executed this 9th day of September, 2014.
ALVIN KERSHMAN
State of Wissouri )
County of Saint Laure
On this 9th day of September 2014, before me, Privile Size Measurer (a notary public in and for said county), personally appeared ALVIN KERSHMAN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
Signature Sanda Sanda Gorna PAMELA SUE WAGGNER Hotary Public-Hotary Seel State of Misseaut, St. Louis County
My Commission Expires: Feb. 12, 2017 Sty Commission Expires Feb 12, 2017
Executed this day of, 20
JEREMY BARRETT MABE
State of
County of)
On thisday of, 20, before me,
WITNESS my hand and official seal.
Signature
My Commission Expires:

Executed	thisday	of	, 20		
				ALVIN KERSHI	MAN
State of					
County of	<u></u>				
is subscribed to the within	instrument and acknow	ledged to me t	that he/she executed the	msis of satisfactory evidence to same in his/her authorized cap ted, executed the instrument.	(a notary public in and be the person whose mame acity, and that by his/her
WITNESS my hand and o	fficial seal				
Signature					
My Commission Expires:	<u></u>				
Executed	this Kanaday (	of <u>Sem</u>	1988 , 20 jil	52.02	<b></b>
State of Now	Cadrica			JEREMY BARRET	ГМАВЕ
for said county), personall whose name is subscribed	day of	ARRETT MA t and acknowle	BE, who proved to me or edged to me that he/she	on the basis of satisfactory evid executed the same in his/her an person acted, executed the his/	ence to be the person athorized capacity, and that
WITNESS my hand and o Signature  My Commission Expires:		<u> </u>		JEVERLY S. CREW NOTARY PUBLIC POREYTH COUNTY NORTH CAROLINA SOI Equinos Legury 28, 20	78

Page 5 of 5

4631-6894-7741.1

**RECORDED: 12/08/2017**