

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daniel Verdin Cantrell</td> <td>12/03/2010</td> </tr> <tr> <td>Joshua D. Morton</td> <td>12/09/2010</td> </tr> <tr> <td>Steven D. Hume</td> <td>12/14/2010</td> </tr> <tr> <td>Barry Bratcher</td> <td>12/10/2010</td> </tr> <tr> <td>Robert Frank Boutin</td> <td>12/08/2010</td> </tr> <tr> <td>Thomas Hinkemeyer</td> <td>12/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Verdin Cantrell	12/03/2010	Joshua D. Morton	12/09/2010	Steven D. Hume	12/14/2010	Barry Bratcher	12/10/2010	Robert Frank Boutin	12/08/2010	Thomas Hinkemeyer	12/08/2010
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RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>RJ 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>27101-3804</td> </tr> </table>		Name:	RJ Reynolds Tobacco Company	Street Address:	401 North Main Street	City:	Winston-Salem	State/Country:	NORTH CAROLINA	Postal Code:	27101-3804				
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CORRESPONDENCE DATA															
<p>Fax Number: (919)755-6177</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-755-8157</p> <p>Email: dgravius@wcsr.com</p> <p>Correspondent Name: Ryan W. Cagle</p> <p>Address Line 1: 150 Fayetteville Street</p> <p>Address Line 2: P.O. Box 831</p> <p>Address Line 4: Raleigh, NORTH CAROLINA 27601</p>															
ATTORNEY DOCKET NUMBER:	R60999 1660.1 (0131.2)														

CH \$40.00 12957821

501444120

PATENT
REEL: 025837 FRAME: 0226

NAME OF SUBMITTER:

Ryan W. Cagle

Total Attachments: 7

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

RJ REYNOLDS TOBACCO COMPANY
401 North Main Street
Winston-Salem, NC 27101-3804

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"SMOKELESS TOBACCO PASTILLE AND MOULDING PROCESS FOR FORMING SMOKELESS TOBACCO PRODUCTS"**

as set forth in this United States Patent Application

- ☐ executed concurrently herewith
☐ executed on
☒ Application No. 12/957,821; filed December 1, 2010
☐ Application claims priority from Application No. , filed , all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney (Womble Carlyle Sandridge & Rice, PLLC) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and

particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as December 1, 2010 (the earliest priority date).

12/3/10
Date

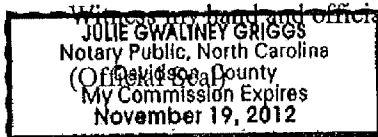
Daniel Verdin Cantrell
DANIEL VERDIN CANTRELL

State of North Carolina)

County of Forsyth)

I, Julie Griggs, a Notary Public for said County and State, do hereby certify that DANIEL VERDIN CANTRELL personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 3rd day of December, 2010.



Julie Gwaltney Griggs
Notary Public

My commission expires 11/19/2012

09DEC10
Date



JOSHUA D. MORTON

State of INDIANA)
County of Vanderburgh)

I, Melanie Clark, a Notary Public for said County and State, do hereby certify that JOSHUA D. MORTON personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 10th day of December, 2010.

(Official Seal)


Notary Public

My commission expires 3/14/12

12-14-10
Date

Steven D. Hume
STEVEN D. HUME

State of Kentucky)
County of Daviess)

I, Melanie Clark, a Notary Public for said County and State, do hereby certify that STEVEN D. HUME personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of December, 2010.

(Official Seal)

Melanie Clark
Notary Public

My commission expires 3/14/12

12/10/10
Date

Barry Bratcher
BARRY BRATCHER

State of Kentucky)
County of Daviess)

I, Melanie Clark, a Notary Public for said County and State, do hereby
certify that BARRY BRATCHER personally appeared before me this day and acknowledged the
due execution of the foregoing instrument.

Witness my hand and official seal, this the 10th day of December, 2010.

(Official Seal)

Melanie Clark
Notary Public

My commission expires 3/14/12

12/08/2010
Date


ROBERT FRANK BOUTIN

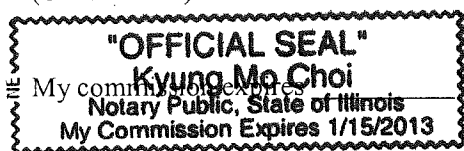
State of IL)

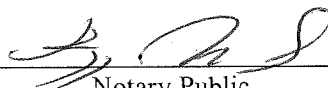
County of Cook)

I, Kyung Mo Choi, a Notary Public for said County and State, do hereby certify that ROBERT FRANK BOUTIN personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8 day of December, 2010.

(Official Seal)




Notary Public

12-8-2010
Date

Thomas Hinkemeyer
THOMAS HINKEMEYER

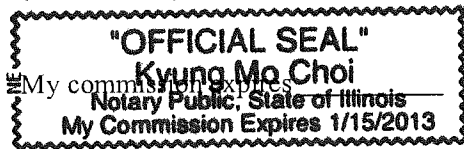
State of IL)

County of Cook)

I, Kyung Mo Choi, a Notary Public for said County and State, do hereby certify that THOMAS HINKEMEYER personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8 day of December, 2010.

(Official Seal)



Kyung Mo Choi
Notary Public

WCSR 4509082v1