

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6455556

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LUIS A. SANCHEZ	06/13/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LORILLARD TOBACCO COMPANY
<b>Street Address:</b>	401 NORTH MAIN STREET
<b>City:</b>	WINSTON-SALEM
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27101
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62119655
<b>Application Number:</b>	14946662
<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>Phone:</b>	6124861900
<b>Email:</b>	MN-IPMail@Dykema.com
<b>Correspondent Name:</b>	REED R. HEIMBECHER / DYKEMA GOSSETT PLLC
<b>Address Line 1:</b>	90 SOUTH SEVENTH STREET
<b>Address Line 2:</b>	4000 WELLS FARGO CENTER
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	065887-000796
<b>NAME OF SUBMITTER:</b>	LAURA L DEBOUCHE
<b>SIGNATURE:</b>	/Laura DeBouche/
<b>DATE SIGNED:</b>	12/17/2020
<b>Total Attachments: 5</b>	
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## CONFIRMATORY ASSIGNMENT

WHEREAS, I, **Luis A. Sanchez** of 1108 Monticello Street, Greensboro, NC 27410 (hereinafter **ASSIGNOR**) am a named inventor for the inventions, patent applications, and/or patents set forth in **Schedule A** hereto;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, said **ASSIGNOR** hereby confirms that I have assigned and hereby assign unto **Lorillard Tobacco Company** (hereinafter **ASSIGNEE**), its successors and assigns, my entire right, title, and interest in, to, and under the inventions, patent applications, and/or patents set forth in **Schedule A** hereto, including my entire right, title, and interest in, to, and under any and all patents obtained, or yet to be obtained, therefor throughout the world (hereinafter the **Territory**), and including all divisions, continuations, continuations-in-part, reissues, or renewals thereof, and any other patents that have issued and that may or shall issue therefor in said **Territory**, including all of **ASSIGNOR**'s entire rights under any and all international conventions, and including the **ASSIGNOR**'s right to sue for infringement, to seek injunctive relief, and to collect, inter alia, money damages, royalties, lost profits, attorney fees, and costs for any infringement of the intellectual property assets set forth in **Schedule A**, whether such infringement may have already occurred or may occur in the future;

AND **ASSIGNOR** HEREBY confirms that **ASSIGNEE**, its successors and assigns, or anyone it has properly designated, is authorized to apply for patents, in its own name if desired, throughout said **Territory**, and additionally is authorized to claim the filing date of any aforesaid application, and otherwise take advantage of the provisions of any and all international conventions;

AND **ASSIGNOR** HEREBY authorizes and requests any official of any State whose duty includes issuing patents, or other evidence or forms of any industrial property protection, on any aforesaid application, to issue same to said **ASSIGNEE**, its successors and assigns, in accordance herewith;

AND **ASSIGNOR** HEREBY covenants and agrees with **ASSIGNEE**, its successors and assigns, that **ASSIGNOR** had the full right to convey the entire interest confirmed herein, and that **ASSIGNOR** had not and has not executed, and will not execute, any agreement in conflict herewith, and that **ASSIGNOR** has not done and will not do any other act whatsoever conflicting with these presents, and that **ASSIGNOR** or **ASSIGNOR**'s successors, assigns, executors, or administrators will at any time upon request, without further or additional consideration, but at the expense of **ASSIGNEE**, its successors and assigns, communicate to **ASSIGNEE**, its successors and assigns, any facts known to **ASSIGNOR** respecting said inventions, patent applications, and patents, and testify in any legal proceedings, sign any lawful papers, execute any original, divisional, continuation, continuation-in-part, and reissue applications, make any rightful oaths, and generally do such additional acts as **ASSIGNEE**, its successors and assigns, may deem necessary or desirable to obtain and enforce protection for said inventions throughout said **Territory**;

AND **ASSIGNOR** HEREBY FURTHER covenants and agrees that this **Confirmatory Assignment** is effective as to each invention, patent application, and patent set forth in **Schedule A** hereto as of at least as early as the filing date for each patent application listed in **Schedule A**; and **ASSIGNOR** hereby confirms title in said **ASSIGNEE** as of at least as early as said filing date.

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**ASSIGNOR**'s Initials



IN TESTIMONY WHEREOF, said **ASSIGNOR** hereunto sets **ASSIGNOR**'s hand on the under-mentioned day and year, and delivers this **Confirmatory Assignment**.

6/13/14  
(Date)

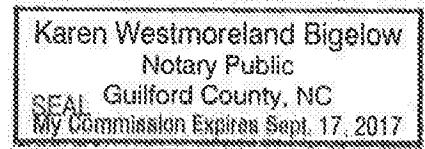
By: Luis A. Sanchez  
(Signature of **ASSIGNOR**)

Luis A. Sanchez  
(Printed Name of **ASSIGNOR**)

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared the above-named **ASSIGNOR**, to me known and known to me to be the person of that name, who signed the foregoing **Confirmatory Assignment** and acknowledged that execution of the same was a free act and deed.

6/13/16  
(Date)

Guilford County  
(Place)



September 17, 2017  
(Commission Expiry Date)

Karen Westmoreland Bigelow - Karen Westmoreland Bigelow  
(Notary Public: Signature and Name)

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**ASSIGNOR's Initials**  
LS

SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid  
**Confirmatory Assignment.**

**Lorillard Tobacco Company**

\_\_\_\_\_  
(Date)

By: \_\_\_\_\_  
(Signature of ASSIGNEE Representative)

\_\_\_\_\_  
(Printed Name of ASSIGNEE Representative)

\_\_\_\_\_  
(Title of ASSIGNEE Representative)

\_\_\_\_\_  
(Witness #1: Signature)

\_\_\_\_\_  
(Witness #2: Signature)

\_\_\_\_\_  
(Witness #1: Printed Name)

\_\_\_\_\_  
(Witness #2: Printed Name)

ASSIGNOR's Initials  
\_\_\_\_\_  
*Q*

## SCHEDULE A

Co	Application	Filing Date	Title	Inventors
US	61/885,363	1-Oct-13	CONTROL OF AEROSOL DELIVERY FROM AN ELECTRONIC CIGARETTE	Brown, Steven E. Ervin, Ronald Lee Barrett, Kenneth D. Sanchez, Luis A.
US	61/756,098	24-Jan-13	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Brown, Steven E. Darr, Jacob Landon Sanchez, Luis A. Ervin, Ronald Lee Tang, Kai
WO	PCT/US2014/012984	24-Jan-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Brown, Steven E. Tang, Kai Sanchez, Luis A.
US	62/081,870	19-Nov-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Sanchez, Luis A. Brown, Steven E.
GB	1413149.4	24-Jan-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Sanchez, Luis A. Tang, Kai Brown, Steven E.
US	62/161,164	13-May-15	DEVICE FOR REFILLING ELECTRONIC CIGARETTE CARTRIDGE	Brown, Steven E. Sanchez, Luis A.
US	62/119,655	23-Feb-15	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Tang, Kai Brown, Steven E. Sanchez, Luis A.
HK	15103688.4	24-Jan-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Tang, Kai Brown, Steven E. Sanchez, Luis A.

ASSIGNOR's Initials

Co	Application	Filing Date	Title	Inventors
CN	201480005863.6	24-Jan-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Tang, Kai Brown, Steven E. Sanchez, Luis A.
EP	14743349.4	24-Jan-14	METHOD, COMPOSITION AND APPARATUS FOR FUNCTIONALIZATION OF AEROSOLS FROM NON COMBUSTIBLE SMOKING ARTICLES	Brown, Steven E. Sanchez, Luis A. Tang, Kai

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