

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3888463

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Feng Gao	09/05/2014
Diane L. Gee	09/04/2014
Phillip M. Hulan	09/10/2014
Shuzhong Zhuang	09/04/2014
William J. Burke	08/19/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALTRIA CLIENT SERVICES INC.
<b>Street Address:</b>	6601 WEST BROAD STREET
<b>City:</b>	RICHMOND
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	23230
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15142048
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	(612) 337-2510
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	GRACE J. KIM
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	20210-0265002
<b>NAME OF SUBMITTER:</b>	JILL A. WRIGHT
<b>SIGNATURE:</b>	/Jill A. Wright/
<b>DATE SIGNED:</b>	05/25/2016
<b>Total Attachments: 5</b>	

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ASSIGNMENT

For valuable consideration, we, SHUZHONG ZHUANG of 11523 Oscar Place, Glen Allen, VA 23060, FENG GAO of 1119 Hawkins Wood Cir., Midlothian, VA 23114, WILLIAM J. BURKE of 116 Myrtle Street, Nashville, TN 37206, DIANE L. GEE of 9307 Banff Court, Chesterfield, VA 23838, PHILLIP M. HULAN of 406 Michaux Branch Terrace, Midlothian, VA 23113, hereby assign to: Altria Client Services Inc., a corporation of New York having a place of business at: 6601 West Broad Street, Richmond, VA 23230; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled NICOTINE LOZENGE, filed October 3, 2013, and assigned U.S. Serial Number 61/886,386, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 07/04/2014   
SHUZHONG ZHIUANG

Witnessed by:

Name: Kimberly A Nugent Date: Sept. 4, 2014

Name: Janet White Date: Sept 4, 2014

Date: 9-5-2014   
FENG GAO

Witnessed by:

Name: Kimberly A Nugent Date: Sept. 5, 2014

Name: R. Frank [unclear] Date: Sept. 5, 2014

Date: \_\_\_\_\_  
WILLIAM J. BURKE

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_  
SHUZHONG ZHUANG

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

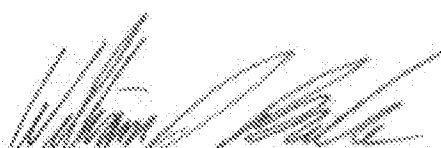
Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_  
FENG GAO

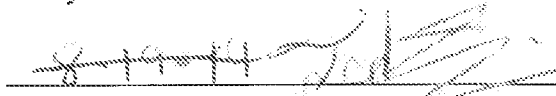
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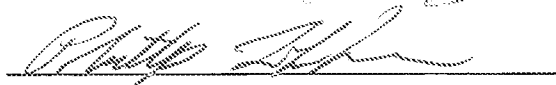
Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: 08/19/14 \_\_\_\_\_  
  
WILLIAM J. BURKE

Witnessed by:

Name:  Date: 8-19-14

Name:  Date: 8-19-14

Date: 9-4-14

Diane L. GEE  
DIANE L. GEE

Witnessed by:

Name: Kimberly A. Nugent

Date: 9/4/14

Name: [Signature]

Date: 9/4/14

Date: \_\_\_\_\_

\_\_\_\_\_  
PHILLIP M. HULAN

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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Date: \_\_\_\_\_  
DIANE L. GEE

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: 9-10-14  
PHILLIP M. HULAN

Witnessed by:

Name: \_\_\_\_\_ Date: 9.10.14

Name: \_\_\_\_\_ Date: 09/10/14

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