### 506121680 06/24/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6168405

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DONGMEI XU	09/21/2017
JESSE FREDERICK	09/25/2017
CHENGALRAYAN KUDITHIPUDI	10/03/2017
YANXIN SHEN	09/21/2017
JAMES STRICKLAND	10/03/2017
JAEMO YANG	10/03/2017

### **RECEIVING PARTY DATA**

Name:	ALTRIA CLIENT SERVICES LLC	
Street Address:	6601 WEST BROAD STREET	
City:	RICHMOND	
State/Country:	VIRGINIA	
Postal Code:	23230	

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

Property Type	Number
Application Number:	16908891

## **CORRESPONDENCE DATA**

Fax Number: (202)942-5999

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: 2029425000

sandra.tartisel@arnoldporter.com, IPDocketing@arnoldporter.comEmail:

ARNOLD & PORTER KAYE SCHOLER **Correspondent Name:** Address Line 1: 601 MASSACHUSETTS AVENUE, NW

Address Line 2: ATTN: IP DOCKETING Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	P34370US03
NAME OF SUBMITTER:	RYAN N. DOUGLAS
SIGNATURE:	/RYAN N. DOUGLAS/
DATE SIGNED:	06/24/2020

**PATENT** REEL: 053021 FRAME: 0470 506121680

# Total Attachments: 7 source=Assignments - P34370US03#page1.tif source=Assignments - P34370US03#page2.tif source=Assignments - P34370US03#page3.tif source=Assignments - P34370US03#page4.tif source=Assignments - P34370US03#page5.tif source=Assignments - P34370US03#page6.tif source=Assignments - P34370US03#page7.tif

PATENT REEL: 053021 FRAME: 0471

## ASSIGNMENT

WHEREAS, we (Dongmei XU, Jesse FREDERICK, Chengalrayan KUDITHIPUDI, Yanxin SHEN, James STRICKLAND, Jaemo YANG), the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

Compositions and Methods For Producing Tobacco Plants and Products Having Reduced or Eliminated Suckers

identified as International Application No. PCT/US2017/022156, filed March 13, 2017; and identified as U.S. Application No. 15/457,553, filed March 13, 2017

WHEREAS, ALTRIA CLIENT SERVICES LLC, of 6601 West Broad Street, Richmond, VA 23230, a Limited Liability Company of the State of Virginia, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer to said Altria Client Services LLC, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by us as employee(s), agent(s) or contractor(s) of said Altria Client Services LLC; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements; and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

We hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Altria Client Services LLC, as assignee of the entire interest.

We further agree, without any payment by Altria Client Services LLC other than in reimbursement of reasonable expenses we may incur, to communicate to said Altria Client Services LLC, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

PATENT REEL: 053021 FRAME: 0472

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

Signatu	re:	Vo	1570°	<u> </u>	Date:	<u> </u>	. 245	1,2017
]	Name:	Doı	ngmei XU		<del></del>	,		
:	City and s	state or co	ountry of r	esidence:	Glen A	llen, VA, U	JSA	_
	<u> </u>	WA.	, ren	) ) ss.				
County	of	<u> </u>	He/d	)				
On thi	s <u>2/3</u>	day	of	<u>) {= 11                                 </u>	~, 20 <u>/</u> me to be th	, before te person w	me perso	onally appeared ed the foregoing
			•		cuted the s	ame as his	/her free a	act and deed; in
(seal)	ny wholes	NAVES.		ing nanc an				Kus
, ,				No		or Consula		
	THIS	PV PUB	Jean William			76.5.6		

My Commission expires \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-2-

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

Signature: Date: 9/25/17  Name: Jesse FREDERICK
City and state or country of residence: Richmond, VA, USA
State of Vicainia ) County of (hesterfield) ss.
On this day of <u>SEPTEMBER</u> 2017, before me personally appeared known to me to be the person who executed the foregoing
instrument and acknowledged that ne/sne executed the same as his/her nee act and deed, in
(seal)
(seal) Solution Notary Public or Consular Officer 7037656

My Commission expires 3.31.18

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

Signature: Date: 10 3 2017
Name: Chengalrayan KUDITHIPUDI
City and state or country of residence: Midlothian, VA, USA
State of ViGislia )  State of ViGislia ()  Ss.  County of ViEnergy ()  Ss.
On this day of, 20, before me personally appeared, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in
testimony whereof I have hereto set my hand and official seal on the day last above written.
(seal)  Commonweal  Notary Public or Consular Officer  7037656
My Commission expires

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

Signature:	<u> </u>	Date:	9-21-11	
Name:_	Yanxin SHEN			
City and	I state or country of resider	nce: Glen All	len, VA, USA	
\$ <i>\$</i>				
State of Vin	3 <del>iuiA</del> ) -			
County of	giuin ) Esterfiziel )	SS.		
On this 2/	day of September 1	wn to me to be the	before me personally appe	ared oing
			me as his/her free act and dee al on the day last above written.	u, m
(seal)	PUBLIC	Notary Public of	2. 3) cellus or Consular Officer	
My Commissio	on expires <u>5.34.72</u>	<u> </u>		

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

State of  $\sqrt{iGisGA}$  ) ss. County of  $\sqrt{hesterfield}$  ss.

On this day of , known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

COMMONWEALTH OF VIRGINIA

Notary Public or Consular Officer

5.31.18

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.

Signature: Jaemo YANG	Date:
City and state or country of residence:	Richmond, VA, USA
State of Vigitia )	
County of <u>LESTERS</u> ss.	
On this 3rd day of 2/36er, known to me	, 20 / before me personally appeared to be the person who executed the foregoing
instrument and acknowledged that he/she execut testimony whereof I have hereto set my hand and of	
(seal) COMMONWEALTH Notar	Laine Saukus y Public or Consular Officer 7037656
My Commission expires	·····