PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3313298

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
W. GEOFFREY CHAN	04/15/2015
CHRISTOPHE GALOPIN	01/22/2015
ANDREAS CZEPA	01/23/2015
MIKE NUCKOLS	01/23/2015
BEVERLEY WOODSON	01/23/2015

RECEIVING PARTY DATA

Name:	PHILIP MORRIS USA INC.
Street Address:	6601 WEST BROAD STREET
City:	RICHMOND
State/Country:	VIRGINIA
Postal Code:	23230

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12748216

CORRESPONDENCE DATA

Fax Number: (703)836-2021

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: 703-836-6620

Email: LAURA.BLAIR@BIPC.COM

Correspondent Name: BUCHANAN INGERSOLL & ROONEY PC

Address Line 1: 1737 KING STREET

Address Line 2: SUITE 500

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	1021238-001086
NAME OF SUBMITTER:	PETER K. SKIFF
SIGNATURE:	/Peter K. Skiff/
DATE SIGNED:	04/16/2015

Total Attachments: 7

PATENT REEL: 035423 FRAME: 0663

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PATENT REEL: 035423 FRAME: 0664

PM2516 UTIL Buchanan Ingersoll & Rooney PC Attorney Docket Nos. 1021238-001086

ASSIGNMENT (JQINT)

THIS ASSIGNMENT, by 1) Geoffrey W. Chan, 2) Christophe Galopin, 3) Andreas Czepa, 4) Mike Nuckols and 5) Beverley Woodson (hereinafter referred to as "the Assignors"), residing at 1) 7807 Little Ridge Court, Chesterfield, VA 23832, 2) 9524 Cascade Creek Lane, Chesterfield, VA 23832, 3) 2400 E. Cary Street, Apt. 501, Richmond, VA 23223, 4) 12408 Avon Lake Drive, Midlothian, VA 23114 and 5) 656 Lake Caroline Drive. Herbico, VA 23 Ruther Glen, VA 22546, respectively, witnesseth: 233

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WHEREAS, the Assignors have made certain new and useful inventions in SMOKING ARTICLE INCLUDING ALKANOYLATED GLYCOSIDE AND METHOD OF MAKING set forth in an application for Letters Patent of the United States of America, [having an oath or declaration executed on even date herewith; [X] bearing Serial No. 12/748,216, and filed on March 26, 2010; and

WHEREAS, PHILIP MORRIS USA INC., a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 6601 West Broad Street, Richmond, VA 23230, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

WHEREAS, PHILIP MORRIS PRODUCTS S.A. (formerly known as Fabriques de Tabac Reunies S.A.), a corporation organized and existing under the laws of Switzerland and having an office and place of business at Quai Jeanrenaud 3, CH-2000, Neuchâtel, Switzerland, is desirous of acquiring the entire right, title, and interest in and to the inventions for countries foreign to the United States, and in and to any foreign patent applications, and in and to any foreign Letters Patent or Patents to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

ASSIGNMENT OF UNITED STATES PATENT RIGHTS

We do hereby sell, assign and transfer unto PHILIP MORRIS USA INC., its successors, assigns and legal representatives, all right, title, and interest in and to the inventions, for the United States, and in and to the United States patent application, including any continuations and divisions thereof, and any substitute applications therefor and any United States patents which may issue thereon and any reissues and extensions of the same; and we hereby authorize and request the Commissioner of Patents to grant and issue any and all patents on the inventions in the United States to PHILIP MORRIS USA INC. as the assignee thereof.

> **PATENT** REEL: 035423 FRAME: 0665

ASSIGNMENT OF FOREIGN PATENT RIGHTS

Further in view of the consideration hereinabove referred to, we do hereby sell, assign, and transfer unto PHILIP MORRIS PRODUCTS S.A., its successors, assigns and legal representatives, all right, title and interest in and to the inventions for all countries foreign to the United States, including the right to claim priority under the International Convention based on the United States patent application, and in and to any foreign patent application, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any foreign patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on the inventions in any foreign country to PHILIP MORRIS PRODUCTS S.A. as the assignee thereof.

We further agree to execute upon request of the assignee PHILIP MORRIS USA INC. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in the United States, and to execute upon request of assignee PHILIP MORRIS PRODUCTS S.A. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in countries foreign to the United States, and to otherwise give full effect to and perfect the rights of the assignee PHILIP MORRIS USA INC. in the United States and of assignee PHILIP MORRIS PRODUCTS S.A. in countries foreign to the United States.

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions and any and all applications for Letters Patent above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the assignees, or counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with the inventions or any and all applications for Letters Patent, or any proceeding in connection with Letters Patent for the inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for the inventions, without charge to the assignees, their successors, legal representatives, and assigns, but at the cost and expense of the assignees, their successors, legal representatives, and assigns;

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Date	4/15/2015	Name of Assignor	- ANY MOOK LING
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IN TESTIMONY THEREOF, we indicated:	e have hereunto signed ou	ir names on the dates l	hereinafter
Date	Name of Assignor	Geoffrey W. Chan	
Witness	Witness		
Name:	Name:		
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Date 0 / /22//5	Name of Assignor	Christophe Galopin,	and the second s
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Name: William L. Bo.	vorder Name: Ko	nald L. Be	किल्ली है।
Date	Name of Assignor	Andreas Czepa	
Witness	Witness		
Name:	Name:		
Date	Name of Assignor	Mike Nuckols	- www.marco.com/control delication
Witness	_ Witness		
Name:	Name:		

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J. P. & B. Co.	A contract that A contract	Geoffrey W. Chan
Witness	Witness	
Name:	Name:	
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Date	Name of Assignor	Christophe Galopin
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Name:	Name:	
Date 01/23/15	Name of Assignor	A. Rene Andreas Czopa
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Name: ALEXANDER WEB	BE Name:	Wa Heace
Date	Name of Assignor	
		Mike Nuckols
Witness	Witness	
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Date	Name of Assignor Ge	offrey W. Chan
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Name:		
Date	Name of Assignor A	ndreas Czepa
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Name:		
Date 1/23/15	Name of Assignor M	M. Nuckols
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Name: MAKAUK TABIBI	Name: Vick	c nesto

Date 1-73-5 Name of Assigner Reverley Woodson

Witness Kimbern Schmunk Name: Tray Rucker

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