504075720 11/01/2016

EPAS ID: PAT4122387

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT	SUBMISSION TYPE:	NEW ASSIGNMENT	
	NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
FLORIAN MARTIN	09/08/2016
YANG XIANG	08/22/2016

RECEIVING PARTY DATA

Name:	PHILIP MORRIS PRODUCTS S.A.	
Street Address: QUAI JEANRENAUD 3		
City:	NEUCHÂTEL	
State/Country:	SWITZERLAND	
Postal Code:	CH-2000	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61662792
Application Number:	14409681

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: 106500-0032-001 -301	
NAME OF SUBMITTER: TRACY W. CHU	
SIGNATURE: /Tracy W. Chu/	
DATE SIGNED: 11/01/2016	

Total Attachments: 4

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PATENT 504075720 REEL: 040184 FRAME: 0680

ASSIGNMENT

Whereas we, Florian Martin and Yang Xiang, respectively residing in Peseux, Switzerland and Neuchatel, Switzerland, have made an invention in:

SYSTEMS AND METHODS FOR GENERATING BIOMARKER SIGNATURES WITH INTEGRATED BIAS CORRECTION AND CLASS PREDICTION

and are about to make or have made applications for the Patent Applications identified below; and WHEREAS, Philip Morris Products S.A., a corporation organized and existing under the laws of the country of Switzerland, having a principal place of business at Quai Jeanrenaud 3, CH-2000, Neuchâtel SWITZERLAND is desirous of acquiring the entire interest in said invention in said patent applications listed below and in any Letters Patent which may issue thereon;

File No.	Application No.	Filing Date
106500-0032-001	61/662,792	06-21-2012
106500-0032-301	14/409,681	12-19-2014
106500-0032-WO1	PCT/EP2013/062980	06-21-2013

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, each of us does hereby sell, assign and transfer unto the said Philip Morris Products S.A., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any refssues and extensions of the same; and each of us hereby authorizes and requests competent authorities to grant and issue any and all patents on said invention to said Philip Morris Products S.A., as the assignee of the entire interest therein; and each of us further agrees to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

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- 2 -

IN TESTIMONY WHEREOF, we have hereunto signed our names and affixed our seals on the dates indicated hereinafter.		
Date:	Δ	Florian Martin
Date:	Ay 22nd, 2016	Yang Xiang

ASSIGNMENT

Whereas we, Florian Martin and Yang Xiang, respectively residing in Peseux, Switzerland and Neuchatel, Switzerland, have made an invention in:

SYSTEMS AND METHODS FOR GENERATING BIOMARKER SIGNATURES WITH INTEGRATED BIAS CORRECTION AND CLASS PREDICTION

and are about to make or have made applications for the Patent Applications identified below; and WHEREAS, Philip Morris Products S.A., a corporation organized and existing under the laws of the country of Switzerland, having a principal place of business at Quai Jeanrenaud 3, CH-2000, Neuchâtel SWITZERLAND is desirous of acquiring the entire interest in said invention in said patent applications listed below and in any Letters Patent which may issue thereon;

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55076437_1

	IN TESTIMONY WHEREO	F, we have hereunto signed our names and affixed ou
seals o	on the dates indicated hereinafter.	
Date?	L. Soptember 2016	Florian Martin
Dates		Yang Xiang

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PATENT REEL: 040184 FRAME: 0684

RECORDED: 11/01/2016