PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6332007

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM W. ALSTON	08/05/2020
ADAM BOWEN	08/05/2020
JOSHUA A. KURZMAN	08/06/2020
JAMES MONSEES	08/05/2020

RECEIVING PARTY DATA

Name:	JUUL LABS, INC.
Street Address:	560 20TH STREET
Internal Address:	BUILDING 104
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94107

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16566842
PCT Number:	US2019050832

CORRESPONDENCE DATA

Fax Number:

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.

Email: IPDocketingBOS@mintz.com

Correspondent Name: MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.

Address Line 1: ONE FINANCIAL PLAZA

Address Line 2: MINTZ LEVIN

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER:	062210-594001US
NAME OF SUBMITTER:	JUSTIN J LEISEY
SIGNATURE:	/Justin J Leisey/
DATE SIGNED:	10/01/2020

Total Attachments: 6

PATENT REEL: 053954 FRAME: 0662

506285259

ASSIGNMENT

We, William W. Alston, Adam Bowen, Joshua A. Kurzman, and James Monsees, hereinafter each referred to as "ASSIGNOR," for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, confirm that pursuant to employment contract(s) between ASSIGNOR and JUUL Labs, Inc., with an office at 560 20th Street, Building 104, San Francisco, CA 94107, we each intended to and have assigned, sold, transferred, and set over, and do hereby assign, sell, transfer, and set over unto JUUL Labs, Inc. and to its successors, assigns, and legal representatives, collectively hereinafter referred to as "ASSIGNEE":

- (1) ASSIGNOR's entire right, title, and interest for the United States and in all countries, in and to any and all inventions, discoveries, and applications which are disclosed in any of the patent(s) and/or patent application(s) listed in the enclosed SCHEDULE (the "Patent(s)")*, including: (a) any subsequently filed patent applications, which claim priority to any of the Patent(s), including any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor; (b) any and all forms of intellectual and industrial property protection derivable from any of the Patent(s) or any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part, divisions, and substitute applications of any of the Patent(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs; and (c) the right to sue for past infringement and to collect for all past, present, and future damages;
- (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in ASSIGNOR's name as the ASSIGNEE, or its designee's election, on said inventions, discoveries, and applications in all countries of the world;
- (3) the entire right, title, and interest in and to any letters patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations, and extensions thereof, and any patents of confirmation, registration, and importation of the same; and
- (4) the entire right, title, and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to said inventions, discoveries, and applications.

ASSIGNOR hereby authorizes and requests the competent authorities to grant and to issue any and all such letters patent in the United States and throughout the world to the ASSIGNEE of the entire right, title, and interest therein, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale, and transfer not been made.

ASSIGNOR agrees, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration, and importation based on any letters patent issuing on said inventions, discoveries, or applications and renewals, revivals,

* ASSIGNOR hereby authorizes the attorneys of record or the attorney recording this assignment to complete or correct any identifying information in the SCHEDULE, which may be necessary or desirable, in order to comply with the rules of the USPTO or any other competent authority for recordation of this document.

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reissues, reexaminations, extensions, continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor.

ASSIGNOR further agrees at any time, to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries, and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this assignment, including the execution, delivery, and procurement of any and all further documents evidencing this assignment, transfer, and sale as may be necessary or desirable.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said inventions, discoveries, and applications, said letters patent, and legal equivalents as may be known and accessible to ASSIGNOR, ASSIGNOR will testify as to the same in any interference, litigation, or proceeding related thereto, and ASSIGNOR will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and enforce said inventions, discoveries, and applications, said letters patent, and said legal equivalents which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR:

Date: 8/5/2020 12:04:59 PM PDT	William Uston William W. Alston
Date:	winiam w. Aiston
	Adam Bowen
Date:	Joshua A. Kurzman
Date:	James Monsees

Page 2 of 4

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ASSIGNOR:

Date:		-	William W. Alston
Date:	8/5/2020 4:11:00 PM	PDT -	Adam Bowin
Date:	8/6/2020 8:17:10 AM	PDT -	Adam Bowen Docusigned by: Joshua d. Euryman Joshua A. Kurzman
Date:		-	Joshua A. Kuizman

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ASSIGNOR:

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Date:	
	William W. Alston
Date:	Adam Bowen
Date:	Joshua A. Kurzman
Date:	James Monsees James Monsees

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AGREEMENT OF ASSIGNEE:

ASSIGNEE hereby agrees to the terms above and accepts the transfer.

Date: _____ | 8:53:40 AM PDT

Wayne Sobon

Wayne Sobon

Vice President, Intellectual Property

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SCHEDULE

Vaporizer Including (PTCR) Positive Temperature Coefficient of Resistivity Heading Element	NS	62/897,229	Sep 6, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	NS	16/566,842	Sep 10, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	PCT	PCT/US19/050832	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	AR	20190102629	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	ВД	262/2019	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	ВО	SP-00152-2019	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	CN	201910865492.3	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	FR	FR1910058	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	NP	153	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	PK	621/2019	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	WL	108133049	Sep 12, 2019	Pending
Vaporizer Including Positive Temperature Coefficient of Resistivity (PTCR) Heating Element	CN	201921521477.9	Sep 12, 2019	Pending

PATENT REEL: 053954 FRAME: 0669

RECORDED: 10/01/2020