PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANA PAUL GRUENBACHER	05/29/2018
WILLIAM MICHAEL CANNON	05/29/2018
HUA HU	06/20/2018
JAMES THOMAS SULLIVAN	05/29/2018

RECEIVING PARTY DATA

Name:	The Procter & Gamble Company
Street Address:	Attention: Chief Patent Counsel
Internal Address:	One Procter & Gamble Plaza
City:	Cincinnati
State/Country:	OHIO
Postal Code:	45202

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15979510

CORRESPONDENCE DATA

Fax Number: (513)277-2293

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: 5139837598

Email: meenach.sa@pg.com

Correspondent Name: THE PROCTER & GAMBLE COMPANY Address Line 1: ONE PROCTER & GAMBLE PLAZA CENTRAL DOCKETING- 8TH FLOOR

Address Line 4: CINCINNATI, OHIO 45202

NAME OF SUBMITTER: ABBEY A. LOPEZ	
CICNIA TUDE	
SIGNATURE: /Abbey A. Lopez/	
DATE SIGNED: 06/21/2018	

Total Attachments: 6

PATENT REEL: 046163 FRAME: 0119

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GLOBAL GENERAL ASSIGNMENT

Dana Paul GRUENBACHER of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; William Michael CANNON of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; Hua HU of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; James Thomas SULLIVAN of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US;

I/We made said invention(s) set forth in said patent application while employed by, or otherwise under an obligation to assign said invention(s) to The Procter & Gamble Company or one of its Affiliates, and acknowledge my/our obligation at the time the invention(s) was made to assign said invention(s) to The Procter & Gamble Company or the Affiliate, respectively. Pursuant to said obligation (and in the case of employment by or obligation to the Affiliate, at the request of the Affiliate), and/or for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, my/our entire right, title, and interest, in the United States and throughout the world, in, to and under said invention(s) and all patents, patent applications, patent rights, and inventor's certificates thereof, therefore, and therein, including without limitation said application, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all patents which may be granted for said invention(s) by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefore (including the right to claim priority of the filing date of said application in the United States and/or under international conventions), as fully and completely as the same would have been held by me/us had this assignment not been made. My/our entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree to, without additional compensation but at no expense to me/us, execute or assent to any and all applications for said invention(s), execute all other legal documents as may be necessary or desirable to vest and maintain the enjoyment of the rights assigned, and to cooperate with The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct, in any pregrant, post-grant or other proceedings relating to the rights assigned herein.

I/We request and authorize the Commissioner of Patents and Trademarks and/or appropriately empowered officials of foreign countries to issue any and all Patent(s) and/or letters patent(s) which may be granted for said invention(s) herein assigned and as set forth in U. S. Application Serial Number 15/979,510 to The Procter & Gamble Company, its legal representatives, successors or assigns, as assignee of my/our entire right, title, and interest in said Patent(s).

This GLOBAL GENERAL ASSIGNMENT is effective as of the earlier of 1) the date of execution shown below, or 2) the filing date of the first-filed of said patent application(s).

Signed:	
Dana Paul GRUENBACHER	Date
STATEMENT OF WITNESS:	
the above assignment. I make this Statement	d see Dana Paul GRUENBACHER duly sign and execute conscientiously believing it to be true and knowing that it under oath or affirmation, and with the knowledge that by be punishable by law.
Witness printed name	Witness signature
Signed:	
William Michael CANNON	Date
STATEMENT OF WITNESS:	
the above assignment. I make this Statement	d see William Michael CANNON duly sign and execute conscientiously believing it to be true and knowing that it under oath or affirmation, and with the knowledge that y be punishable by law.
Witness printed name	Witness signature

Witness printed name	Witness signature
I declare that I was personally present and did see James the above assignment. I make this Statement conscientious is of the same force and effect as if made under oath or knowingly making false statements herein may be punishal	ly believing it to be true and knowing that it affirmation, and with the knowledge that
STATEMENT OF WITNESS:	
James Thomas SULLIVAN	Date
Signed:	
David P. Kreyzer Witness printed name	Witness signature Witness signature
I declare that I was personally present and did see H assignment. I make this Statement conscientiously believ same force and effect as if made under oath or affirmati making false statements herein may be punishable by law.	ing it to be true and knowing that it is of the
STATEMENT OF WITNESS:	
Signed: Hua HU	June 20, 20/8
Ciama di Maria di Man	1/1000 00 00 10

GLOBAL GENERAL ASSIGNMENT

Dana Paul GRUENBACHER of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; William Michael CANNON of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; Hua HU of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US; James Thomas SULLIVAN of One Procter & Gamble Plaza; Cincinnati; OH; 45202; US;

I/We made said invention(s) set forth in said patent application while employed by, or otherwise under an obligation to assign said invention(s) to The Procter & Gamble Company or one of its Affiliates, and acknowledge my/our obligation at the time the invention(s) was made to assign said invention(s) to The Procter & Gamble Company or the Affiliate, respectively. Pursuant to said obligation (and in the case of employment by or obligation to the Affiliate, at the request of the Affiliate), and/or for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, my/our entire right, title, and interest, in the United States and throughout the world, in, to and under said invention(s) and all patents, patent applications, patent rights, and inventor's certificates thereof, therefore, and therein, including without limitation said application, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all patents which may be granted for said invention(s) by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefore (including the right to claim priority of the filing date of said application in the United States and/or under international conventions), as fully and completely as the same would have been held by me/us had this assignment not been made. My/our entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree to, without additional compensation but at no expense to me/us, execute or assent to any and all applications for said invention(s), execute all other legal documents as may be necessary or desirable to vest and maintain the enjoyment of the rights assigned, and to cooperate with The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct, in any pregrant, post-grant or other proceedings relating to the rights assigned herein.

I/We request and authorize the Commissioner of Patents and Trademarks and/or appropriately empowered officials of foreign countries to issue any and all Patent(s) and/or letters patent(s) which may be granted for said invention(s) herein assigned and as set forth in U. S. Application Serial Number 15/979,510 to The Procter & Gamble Company, its legal representatives, successors or assigns, as assignee of my/our entire right, title, and interest in said Patent(s).

This GLOBAL GENERAL ASSIGNMENT is effective as of the earlier of 1) the date of execution shown below, or 2) the filing date of the first-filed of said patent application(s).

Signed: Dana Paul GRUENBACHER STATEMENT OF WITNESS: I declare that I was personally present and did see Dana I the above assignment. I make this Statement consciention is of the same force and effect as if made under oath knowingly making false statements herein may be punished. Tima Wichola S Witness printed name	usly believing it to be true and knowing that it
Signed: Un Common William Michael CANNON STATEMENT OF WITNESS:	29 MAY 2018
I declare that I was personally present and did see William the above assignment. I make this Statement conscientiously is of the same force and effect as if made under oath or knowingly making false statements herein may be punishable.	y believing it to be true and knowing that it

STATEMENT OF WITNESS: I declare that I was personally present and did see I assignment. I make this Statement conscientiously believ same force and effect as if made under oath or affirmati making false statements herein may be punishable by law. Witness printed name	ing it to be true and knowing that it is of
I declare that I was personally present and did see Inssignment. I make this Statement conscientiously believes ame force and effect as if made under oath or affirmationaking false statements herein may be punishable by law.	ong it to be true and knowing that it is of ion, and with the knowledge that knowing.
same force and effect as if made under oath or affirmati naking false statements herein may be punishable by law.	ong it to be true and knowing that it is of ion, and with the knowledge that knowing.
Witness printed name	Witness signature
Jan I Day had for	1 1
gned: 18th / Kither / Clubb mes Thomas SULLIVAN	5/28/18
1/	Date
ATEMENT OF WITNESS:	
lectare that I was personally present and did see James Te above assignment. I make this Statement conscientiously of the same force and effect as if made under oath or owingly making false statements herein may be punishable.	ly believing it to be true and knowing that i

kno Nicholas

Witness signature

RECORDED: 06/21/2018

Witness printed name

Tina Nicholas