

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4847234

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN HAMILTON HOKE	09/11/2017
QINGXIN LEI	09/12/2017
SAFA MOTLAGH	09/11/2017
JOHN CHRISTIAN HAUGHT	09/11/2017
MICHAEL REILLY	09/11/2017
KOTI TATACHAR SREEKRISHNA	09/12/2017
YAKANG LIN	09/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The Procter & Gamble Company
<b>Street Address:</b>	One Procter & Gamble Plaza
<b>Internal Address:</b>	Attention: Chief Patent Counsel
<b>City:</b>	Cincinnati
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45202
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15331329
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(513)945-6839
<i>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.</i>	
<b>Phone:</b>	513-983-3820
<b>Email:</b>	wray.ca@pg.com
<b>Correspondent Name:</b>	THE PROCTER & GAMBLE COMPANY
<b>Address Line 1:</b>	ONE PROCTER & GAMBLE PLAZA
<b>Address Line 2:</b>	GLOBAL PATENT SERVICES, CENTRAL BUILDING, C9-441
<b>Address Line 4:</b>	CINCINNATI, OHIO 45202
<b>ATTORNEY DOCKET NUMBER:</b>	14075M
<b>NAME OF SUBMITTER:</b>	JAMES E. OEHLenschlager
<b>SIGNATURE:</b>	/JEO/

PATENT

<b>DATE SIGNED:</b>	03/01/2018
<b>Total Attachments: 10</b> source=14075MASGN#page1.tif source=14075MASGN#page2.tif source=14075MASGN#page3.tif source=14075MASGN#page4.tif source=14075MASGN#page5.tif source=14075MASGN#page6.tif source=14075MASGN#page7.tif source=14075MASGN#page8.tif source=14075MASGN#page9.tif source=14075MASGN#page10.tif	

## GLOBAL GENERAL ASSIGNMENT

WHEREAS I/we, the undersigned inventor(s) hereby declare that I/we, alone or jointly with the other inventor(s) identified herein, have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled METHOD OF CHROMATOGRAPHIC SEPARATION, Attorney's Docket No. 14075M and filed in the United States Patent Office as Serial Number 15/331,329, on October 21, 2016 and/or the corresponding application filed in the PCT as Serial Number \_\_\_\_\_, on \_\_\_\_\_ (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert in this document, the Serial Number and filing date of each application identified above when ascertained.) having named inventors:

Steven Hamilton HOKE of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA

Qingxin LEI of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA

Safa MOTLAGH of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA

John Christian HAUGHT of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA;

Michael REILLY of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA;

Koti Tatachar SREEKRISHNA of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA

Yakang LIN of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA.

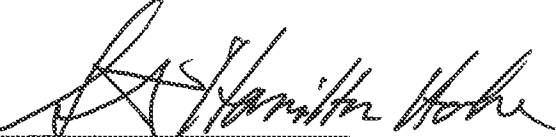
I/We made said invention(s) set forth in said patent application while employed by, or otherwise under an obligation to assign said invention(s) to The Procter & Gamble Company or one of its Affiliates, and acknowledge my/our obligation at the time the invention(s) was made to assign said invention(s) 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 pre-grant, 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 15/331,329 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).

PATENT

REEL: 045080 FRAME: 0634


Signed:   
Steven Hamilton HOKE

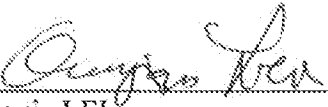
9/11/17  
Date

STATEMENT OF WITNESS:

I, Greg Dahman (name of witness), declare that I was personally present and did see Steven Hamilton HOKE duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Greg Dahman  
Witness printed name

 9/11/2017  
Witness signature

Signed:   
Qingxin LEI

9/12/2017  
Date

STATEMENT OF WITNESS:

I, Karen Lehnhoff (name of witness), declare that I was personally present and did see Qingxin LEI duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Karen Lehnhoff  
Witness printed name

  
Witness signature

Signed: \_\_\_\_\_  
Safa MOTLAGH

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Safa MOTLAGH duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made

under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Witness printed name

Witness signature

Signed:

John Christian Haught  
John Christian HAUGHT

9-11-17  
Date

STATEMENT OF WITNESS:

I, Kelly Kishler (name of witness), declare that I was personally present and did see John Christian HAUGHT duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Kelly Kishler  
Witness printed name

Kelly Kishler  
Witness signature

Signed:

Michael Reilly  
Michael REILLY

9-11-17  
Date

STATEMENT OF WITNESS:

I, Thomas Inglis (name of witness), declare that I was personally present and did see Michael REILLY duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Thomas Inglis  
Witness printed name

Thomas Inglis  
Witness signature

PATENT

REEL: 045080 FRAME: 0636

Koti Tatachar SREEKRISHNA  
Signed: \_\_\_\_\_  
Koti Tatachar SREEKRISHNA

Sep 12, 2017  
Date

STATEMENT OF WITNESS:

I, Tracy L. Twinem (name of witness), declare that I was personally present and did see Koti Tatachar SREEKRISHNA duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Tracy L. Twinem  
Witness printed name

[Signature]  
Witness signature

[Signature]  
Signed: \_\_\_\_\_  
Yakang LIN

9/12/2017  
Date

STATEMENT OF WITNESS:

I, Jeff Henry (name of witness), declare that I was personally present and did see Yakang LIN duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Jeff Henry  
Witness printed name

[Signature]  
Witness signature

Rev. 10/2012

GLOBAL GENERAL ASSIGNMENT

WHEREAS I/we, the undersigned inventor(s) hereby declare that I/we, alone or jointly with the other inventor(s) identified herein, have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled METHOD OF CHROMATOGRAPHIC SEPARATION, Attorney's Docket No. 14075M and filed in the United States Patent Office as Serial Number 15/331,329, on October 21, 2016 and/or the corresponding application filed in the PCT as Serial Number \_\_\_\_\_, on \_\_\_\_\_ (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert in this document, the Serial Number and filing date of each application identified above when ascertained.) having named inventors:

Steven Hamilton HOKE of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA  
Qingxin LEI of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA  
Safa MOTLAGH of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA  
John Christian HAUGHT of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA;  
Michael REILLY of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA;  
Koti Tatachar SREEKRISHNA of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA  
Yakang LIN of One Procter & Gamble Plaza, Cincinnati, OH, 45202, USA.

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 pre-grant, 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 15/331,329 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: \_\_\_\_\_  
Steven Hamilton HOKE

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Steven Hamilton HOKE duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

\_\_\_\_\_  
Witness printed name


\_\_\_\_\_  
Witness signature

Signed: \_\_\_\_\_  
Qingxin LEI

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Qingxin LEI duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

  
\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

Signed:   
Safa MOTLAGH

11 SEPT. 2017  
Date

STATEMENT OF WITNESS:

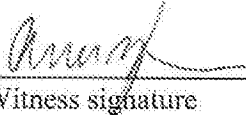
I, Ann Zeller (name of witness), declare that I was personally present and did see Safa MOTLAGH duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made

**PATENT**

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under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

Ann Zoller  
Witness printed name

  
Witness signature

Signed: John Christian HAUGHT

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see John Christian HAUGHT duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

Signed: Michael REILLY

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Michael REILLY duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

Signed: \_\_\_\_\_  
Koti Tatachar SREEKRISHNA

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Koti Tatachar SREEKRISHNA duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

Signed: \_\_\_\_\_  
Yakang LIN

\_\_\_\_\_  
Date

STATEMENT OF WITNESS:

I, \_\_\_\_\_ (name of witness), declare that I was personally present and did see Yakang LIN duly sign and execute the above assignment. I make this Statement conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath or affirmation, and with the knowledge that knowingly making false statements herein may be punishable by law.

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

Rev. 10/2012