

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4814518

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the LEFT OFF INVENTOR GREGORY S. MIRACLE IN ERROR. previously recorded on Reel 044838 Frame 0712. Assignor(s) hereby confirms the INVENTOR NAME.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAIHU QIN	11/21/2017
SANJEEV K. DEY	11/20/2017
GREGORY S. MIRACLE	12/13/2017
THE PROCTER & GAMBLE COMPANY	01/03/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MILLIKEN & COMPANY
<b>Street Address:</b>	920 MILLIKEN ROAD, M495
<b>City:</b>	SPARTANBURG
<b>State/Country:</b>	SOUTH CAROLINA
<b>Postal Code:</b>	29303
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15800689
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	patents@milliken.com
<b>Correspondent Name:</b>	MILLIKEN & COMPANY
<b>Address Line 1:</b>	920 MILLIKEN ROAD, M495
<b>Address Line 4:</b>	SPARTANBURG, SOUTH CAROLINA 29303
<b>ATTORNEY DOCKET NUMBER:</b>	7049A
<b>NAME OF SUBMITTER:</b>	LINDA-ANN MANLEY
<b>SIGNATURE:</b>	/Linda-Ann Manley/
<b>DATE SIGNED:</b>	02/07/2018
<b>Total Attachments: 11</b>	
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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
 Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAIHU QIN	11/21/2017
SANJEEV K. DEY	11/20/2017
THE PROCTER & GAMBLE COMPANY	01/03/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MILLIKEN & COMPANY
<b>Street Address:</b>	920 MILLIKEN ROAD, M495
<b>City:</b>	SPARTANBURG
<b>State/Country:</b>	SOUTH CAROLINA
<b>Postal Code:</b>	29303
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15800689
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<b>Email:</b>	patents@milliken.com
<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>Correspondent Name:</b>	MILLIKEN & COMPANY
<b>Address Line 1:</b>	920 MILLIKEN ROAD, M495
<b>Address Line 4:</b>	SPARTANBURG, SOUTH CAROLINA 29303
<b>ATTORNEY DOCKET NUMBER:</b>	7049A
<b>NAME OF SUBMITTER:</b>	LINDA-ANN MANLEY
<b>Signature:</b>	/Linda-Ann Manley/
<b>Date:</b>	02/06/2018

**Total Attachments: 9**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT4810893  
**Receipt Date:** 02/06/2018

**PATENT**

## ASSIGNMENT

This Assignment (this "Assignment") is made as of January 3, 2018 (the "Effective Date") between:

Milliken & Company, a Delaware corporation ("Milliken")  
920 Milliken Road M-495  
Spartanburg, South Carolina 29303, U.S.A.; and

The Procter & Gamble Company, a Delaware corporation ("P&G")  
One Procter & Gamble Plaza  
Cincinnati, Ohio 45202, U.S.A.

### Recitals

WHEREAS, P&G has agreed to assign to Milliken its entire right, title, and interest in and to the Assigned Patents (as defined below); and

WHEREAS, Milliken has agreed to accept the assignment of P&G's right, title, and interest in and to the Assigned Patents;

NOW, THEREFORE, in consideration of the mutual promises in this Assignment, the Milliken and P&G agree as follows:

#### 1. Assignment of Patents and Patent Applications.

a. Assignment. P&G hereby assigns to Milliken (and Milliken hereby accepts) its entire right, title, and interest in and to the patents and patent applications identified on Attachment 1 hereto including all nonprovisionals, continuations, continuations-in-part, divisionals, re-examinations, reissues and foreign counterparts and/or equivalents thereof (the "Assigned Patents"). P&G further assigns to Milliken (and Milliken hereby accepts) the right to claim priority to any of the Assigned Patents under the terms of the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and any other relevant international treaty or arrangement relating to industrial property rights.

b. Further Documentation and Assistance. After the Effective Date, P&G agrees to execute any other documents that Milliken may reasonably require to effect the assignment made in this Assignment and record Milliken as the owner of the Assigned Patents. P&G further agrees, without additional compensation but at no expense to P&G, to cooperate with Milliken in any pre-grant, post-grant or other proceedings relating to the Assigned Patents.

2. Representations and Warranties. P&G represents and warrants that: (i) P&G has good and valid title to, and has the unrestricted power to assign, the Assigned Patents, free and clear of all liens, claims and encumbrances; (ii) P&G has all requisite power and authority to execute and deliver this Assignment, to perform its obligations hereunder, and to consummate the

transactions contemplated hereby; and (v) this Assignment has been duly and validly executed and delivered by or on behalf of P&G.

3. **General Provisions.**

a. **Severability.** If any provision of this Assignment is held by a court of competent jurisdiction to be illegal or unenforceable, the remaining provisions of this Assignment shall remain in full force and effect and, to the extent permitted by applicable law, such illegal or unenforceable provision shall be deemed automatically amended in accordance with the parties' original intent to the minimum extent necessary to make such provision legal and enforceable.

b. **Entire Agreement.** This Assignment (including any Attachments hereto) constitutes the entire agreement between the Parties concerning the subject matter hereof, supersedes all prior oral or written understandings between the Parties concerning the subject matter hereof and shall not be contradicted, waived, or supplemented by any course of dealing between the Parties.

c. **Amendment and Waiver.** This Assignment shall not be amended except by a writing signed by both Milliken and P&G. No provision of this Assignment may be waived except by a writing signed by an authorized representative of the party waiving its right(s) hereunder.


d. **Binding Effect.** This Agreement shall be binding upon and inure to the benefit of P&G and Milliken and their respective successors, assigns, and legal representatives.

e. **Headings.** The headings and captions in this Assignment have been inserted for convenience of reference and are not part of this Assignment.


f. **Counterparts.** This Assignment may be executed in counterparts, each of which shall be deemed to be an original and all of which together shall be deemed to be one and the same instrument.

IN WITNESS WHEREOF, Milliken and P&G have caused their duly authorized representatives to execute this Assignment effective as of the date first above written.

**MILLIKEN & COMPANY**

By:   
Name: Debra L. Clements  
Title: Chief Administrative Officer

**THE PROCTER & GAMBLE  
COMPANY**

By:   
Name: STEVEN W. MILLER  
Title: VICE PRESIDENT

**ATTACHMENT 1**  
**SCHEDULE OF ASSIGNED PATENTS**

Application No. or Patent No.	Country	Title
62/415,780	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,785	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,790	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,802	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,806	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,811	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,824	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,834	US	REACTIVE LEUCO COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME
62/415,850	US	LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
62/415,855	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS



**ATTACHMENT 1**  
**SCHEDULE OF ASSIGNED PATENTS**

Application No. or Patent No.	Country	Title
15/800,689	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,734	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,761	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,783	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,791	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,804	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,820	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,834	US	LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,849	US	LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS
15/800,859	US	REACTIVE LEUCO COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME

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 LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS, filed in the United States Patent Office as Serial Number 62/415,780, on November 1, 2016 (Attorney Docket No. 7049) and as Serial Number 15/800,689, on November 1, 2017 (Attorney Docket No. 7049A) 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 inventor(s):

Gregory S. MIRACLE of The Procter & Gamble Company; One Procter & Gamble Plaza;  
Cincinnati, Ohio 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 of One Procter & Gamble Plaza, Cincinnati, Ohio 45202 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, 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, to 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 15/800,689 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).

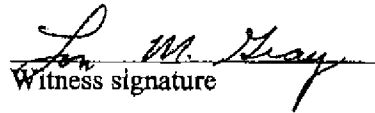
Signed:   
Gregory S. MIRACLE

13 DECEMBER 2017  
Date

STATEMENT OF WITNESS:

I declare that I was personally present and did see Gregory S. MIRACLE 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.

Lon M. Gray  
Witness printed name

  
Witness signature

**ASSIGNMENT**

**WHEREAS I (if only one inventor is listed below)/WE (if more than one inventor is listed below)** have made certain invention(s) (hereinafter "Invention") described in the United States Patent Application entitled: **LEUCO POLYMERS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITIONS**; (hereinafter, "Patent Application") which was:

\_\_\_ Executed concurrently herewith as Milliken & Company Case No. \_\_\_\_\_, and having received the serial number and filing date as set forth below (I/We hereby authorize and direct the attorneys for Milliken & Company to insert the serial number and filing date when that information becomes available):

Serial No.: \_\_\_\_\_

Filing Date: \_\_\_\_\_

\_\_\_ Executed on the following dates for each inventor:

Inventor	Execution Date
_____	_____
_____	_____
_____	_____

as Milliken & Company Case No. \_\_\_\_\_ and having received the serial number and filing date set forth below (I/WE hereby authorize and direct the attorneys for Milliken & Company to insert the serial number and filing date when that information becomes available):

Serial No.: \_\_\_\_\_

Filing Date: \_\_\_\_\_

**X** Filed on November 1, 2017, and having received a serial number of 15/800,689.

**WHEREAS, MILLIKEN & COMPANY**, a Corporation organized under the laws of the State of Delaware with offices in Spartanburg, South Carolina, is desirous of obtaining the entire right, title, and interest in, to, and under said Invention and the above-referenced Patent Application.

**NOW, THEREFORE**, in consideration of the sum of Fifty Dollars (\$50.00) paid in hand to ME (if only one inventor)/US (if more than one inventor), and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign, transfer, and set over unto MILLIKEN & COMPANY, its successors in interest and assigns, the entire right, title, and interest in, to, and under said Invention, throughout the world. These rights include, but are not limited to:

1. Right to apply for Letters Patent for the invention, or any portion thereof, in the United States (hereinafter referred to as "Domestic Applications");
2. Right to apply for Letters Patent or the legal equivalent for the invention, or any portion thereof, in any country or countries foreign to the United States (hereinafter referred to as "International Applications"), including, but not limited to, the right to claim priority to any Domestic Application;
3. All rights in, to, and under the above-referenced Patent Application, including, but not limited to,
  - (i) Any continuations, divisionals, continuations-in-part, or any other applications claiming priority to the above-referenced Patent Application, and,
  - (ii) The right to file application(s) for Letters Patent or the legal equivalent thereof, in any country or countries foreign to the United States and claim priority to the above-referenced Patent Application; and
4. All rights in, to, and under any Letters Patent, or legal equivalent, including all reissues or extensions thereof, that may be issued or granted on such Domestic Applications, International Applications, or the Patent Application, and the rights granted thereunder.

**I/WE HEREBY** authorize and request the Commissioner of Patents of the United States and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent and/or legal equivalents, as requested, for said Invention or portion of said Invention to, and vest all rights of ownership in, MILLIKEN & COMPANY, its successors in interest and assigns, in accordance with the terms of this instrument.

AND I/WE HEREBY covenant that I/WE have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant that I/WE will communicate to Milliken & Company, its successors in interest and assigns, any facts known to ME/US respecting said Invention, and testify in any legal proceeding, sign all and execute lawful papers (including any application, assignment, and/or power of attorney documents), make all rightful oaths, and generally do everything possible to aid Milliken & Company, its successors in interest and assigns, to obtain and enforce proper patent protection for said Invention in all countries.

IN TESTIMONY, WHEREOF, I/WE hereunto set our hands and seals on the date set forth below.

Haihu Qin  
Name  
[Signature]  
Signature  
11/21/2017  
Date

STATE OF SOUTH CAROLINA)  
COUNTY OF SPARTANBURG)

Before me, a Notary Public in and for the State and County aforesaid, on the date specified below personally appeared the individual specified adjacent hereto and known to me to be the same individual, and who executed the foregoing assignment instrument and acknowledged that they executed same of their own free will for the purpose therein expressed.

[Signature]  
Notary Public  
11/21/2017  
Date Seal

Linda-Ann Manley  
Notary Public for South Carolina  
Commission Expires:  
December 10, 2024

Sanjeev K. Dey  
Name  
[Signature]  
Signature  
11/20/2017  
Date

STATE OF SOUTH CAROLINA)  
COUNTY OF SPARTANBURG)

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[Signature]  
Notary Public  
11/20/2017  
Date Seal

Linda-Ann Manley  
Notary Public for South Carolina  
Commission Expires:  
December 10, 2024

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

STATE OF SOUTH CAROLINA)  
COUNTY OF SPARTANBURG)

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\_\_\_\_\_  
Notary Public  
\_\_\_\_\_  
Date Seal