## 502824143 05/27/2014

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2870739

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GENE MICHAEL ALTONEN	03/05/2012
RALPH EDWIN NEUFARTH	03/01/2012
JOHN BOYET STEVENS	04/09/2012
ROBERT LAWRENCE PROSISE	03/06/2012
JAMES EDWARD POLAND	03/01/2012
JOHN MONCRIEF LAYMAN	03/02/2012
DANNY DAVID LUMPKIN	05/22/2014

#### **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13774571

## **CORRESPONDENCE DATA**

**Fax Number:** (513)277-2292

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: 513-983-8009
Email: wayman.la@pg.com
Correspondent Name: CENTRAL DOCKETING

Address Line 1: 299 E SIXTH ST

Address Line 2: S4-210

Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER: 12129

NAME OF SUBMITTER: CHARLES R WARE

SIGNATURE: /Charles R. Ware/

502824143 REEL: 032963 FRAME: 0748

DATE SIGNED:	05/27/2014
Total Attachments: 20	
source=12129PASGN#page1.tif	
source=12129PASGN#page2.tif	
source=12129PASGN#page3.tif	
source=12129PASGN#page4.tif	
source=12129PASGN#page5.tif	
source=12129PASGN#page6.tif	
source=12129PASGN#page7.tif	
source=12129PASGN#page8.tif	
source=12129PASGN#page9.tif	
source=12129PASGN#page10.tif	
source=12129PASGN#page11.tif	
source=12129PASGN#page12.tif	
source=12129PASGN#page13.tif	
source=12129PASGN#page14.tif	
source=12129PASGN#page15.tif	
source=12129PASGN#page16.tif	
source=12129PASGN#page17.tif	
source=12129PASGN#page18.tif	
source=12129PASGN#page19.tif	
source=12129PASGN#page20.tif	

WHEREAS I/we, the undersigned inventor(s) herewith declare that I am the sole inventor/we are the joint inventors and I/we have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled Injection Mold Having a Simplified Cooling System, Attorney's Docket No 12129P and filed in the United States Patent Office as Number 61/602,781, on February 24, 2012. (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert the Serial Number and filing date of said application in this document when ascertained.)

Gene Michael ALTONEN of 7649 Nordan Drive, West Chester, Ohio, 45069, US; Ralph Edwin NEUFARTH of 5256 Coventry Court, Liberty Township, Ohio, 45011, US; John Boyet STEVENS of 6637 Caddies Way, Mason, Ohio, 45040, US; Robert Lawrence PROSISE of 7104 Larchwood Drive, Cincinnati, Ohio, 45241, US; James Edward POLAND of 7764 Castlewood Lane, Burlington, Kentucky, 41005, US; John Moncrief LAYMAN of 5321 Elmwood Lane, Liberty Township, Ohio, 45044, US; Danny David LUMPKIN of 3745 Drakewood Drive, Cincinnati, OH, 45209, 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 (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Japan K.K.; P&G Innovation Godo Kaisha; P&G Design Center Godo Kaisha; Procter & Gamble Hong Kong Limited; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; Procter & Gamble Manufacturing (Thailand) Limited; Procter & Gamble (Guangzhou) Ltd.; P&G Northeast Asia Pte. Ltd.; P&G Max Factor Godo Kaisha; P&G K.K.; Procter & Gamble Asia Pte. Ltd.; Procter & Gamble de Mexico; Procter & Gamble de Venezuela, and P&G-Clairol, Inc.) 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, all 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. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to any and all applications for said invention(s), and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

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 \_\_\_\_\_\_\_\_ to The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the 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). Gene Michael ALTONEN State of Oh.o On this 5 day of Mand, 2012, before me personally appeared Gene Michael ALTONEN, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth. I make this statement conscientiously and with the knowledge that knowingly making false statements herein may be punishable by law. SUSAN E WICK træss NOTARY PLINIC - OHIO Notary Public/Witness signature MY COMMISSION EXPIRES JULY 21, 2016 Signed: Ralph Edwin NEUFARTH Date State of ) SS County of On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Ralph Edwin NEUFARTH, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth. I make this

statement conscientiously and with the knowledge that knowingly making false statements herein may

be punishable by law.

Notary Public/Witness printed name

Notary Public/Witness signature

Signed:		
John Boyet STE	VENS	Date
State of	}	
County of	} }	
County of	3	
STEVENS, to a acknowledged to	me known to be the persoome that he executed the si ientiously and with the kno	2012, before me personally appeared John Boyer n named in and who executed the above instrument, and ame for the uses and purposes therein set forth. I make this wledge that knowingly making false statements herein may
Notary Public/W	/itness printed name	Notary Public/Witness signature
Signed:		
Robert Lawrence	PROSISE	Date
State of	}	
	}	
County of	porriso	
On this	day of	, 2012, before me personally appeared Robert
Lawrence PROS	ISE, to me known to be the	person named in and who executed the above instrument,
	nscientiously and with the	he same for the uses and purposes therein set forth. I make knowledge that knowingly making false statements herein
SERVEY US CHESTERNISCEN		
<b>y x</b>	sa og karr.	

Signed: Area Edward POLAND	3-1-2012 Date
State of 00:0 } County of Boller }	
acknowledged to me that he executed the same f	, 2012, before me personally appeared James Edward ned in and who executed the above instrument, and or the uses and purposes therein set forth. I make this se that knowingly making false statements herein may Notary Public/Witness signature
Signed: John Moncrief LAYMAN	Date
State of } SS County of }	
acknowledged to me that he executed the same fi	2012, before me personally appeared John Moncrief ned in and who executed the above instrument, and or the uses and purposes therein set forth. I make this that knowingly making false statements herein may
Notary Public/Witness printed name	Notary Public/Witness signature

Signed:		•
Danny David LU	MPKIN	Date
State of	} }	
County of	)	
LUMPKIN, to m acknowledged to	e known to be the pe me that he executed th ntiously and with the k	, 2014, before me personally appeared Danny David rson named in and who executed the above instrument, and e same for the uses and purposes therein set forth. I make this mowledge that knowingly making false statements herein may
Notary Public/Wi	tness printed name	Notary Public/Witness signature

WHEREAS I/we, the undersigned inventor(s) herewith declare that I am the sole inventor/we are the joint inventors and I/we have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled Injection Mold Having a Simplified Cooling System, Attorney's Docket No 12129P and filed in the United States Patent Office as Number 61/602,781, on February 24, 2012. (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert the Serial Number and filing date of said application in this document when ascertained.)

Gene Michael ALTONEN of 7649 Nordan Drive, West Chester, Ohio, 45069, US; Ralph Edwin NEUFARTH of 5256 Coventry Court, Liberty Township, Ohio, 45011, US; John Boyet STEVENS of 6637 Caddies Way, Mason, Ohio, 45040, US; Robert Lawrence PROSISE of 7104 Larchwood Drive, Cincinnati, Ohio, 45241, US; James Edward POLAND of 7764 Castlewood Lane, Burlington, Kentucky, 41005, US; John Moncrief LAYMAN of 5321 Elmwood Lane, Liberty Township, Ohio, 45044, US; Danny David LUMPKIN of 3745 Drakewood Drive, Cincinnati, OH, 45209, 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 (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Japan K.K.; P&G Innovation Godo Kaisha; P&G Design Center Godo Kaisha; Procter & Gamble Hong Kong Limited; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; Procter & Gamble Manufacturing (Thailand) Limited; Procter & Gamble (Guangzhou) Ltd.; P&G Northeast Asia Pte. Ltd.; P&G Max Factor Godo Kaisha; P&G K.K.; Procter & Gamble Asia Pte. Ltd.; Procter & Gamble de Mexico; Procter & Gamble de Venezuela, and P&G-Clairol, Inc.) 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, all 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. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to any and all applications for said invention(s), and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

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 \_\_\_\_\_\_ to The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the 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:	
Gene Michael ALTONEN	Date
State of } SS County of }	
On this day of, 2012, be ALTONEN, to me known to be the person named in an acknowledged to me that he executed the same for the uses statement conscientiously and with the knowledge that knowledge punishable by law.	d who executed the above instrument, and a sand purposes therein set forth. I make this
Notary Public/Witness printed name	Notary Public/Witness signature
Signed: As Sharin State of Oh 10 }  County of Butler }	3/01/2012_ Date
On this 15th day of 10 or ch, 2012, be NEUFARTH, to me known to be the person named in an acknowledged to me that he executed the same for the uses statement conscientiously and with the knowledge that knobe punishable by law.	d who executed the above instrument, and and purposes therein set forth. I make this wingly making false statements herein may
Notary Public/Witness printed name	Dotary Public/Witness signature

Signed: John Boyet STEVENS	Date
State of } SS County of }	
On this	and who executed the above instrument, and we sand purposes therein set forth. I make this
Notary Public/Witness printed name	Notary Public/Witness signature
Signed: Polet funcie Prosise  Robert Lawrence PROSISE  State of OHO }  County of Hearcrow }	3/6/12— Date
On this day of, 20! Lawrence PROSISE, to me known to be the person name and acknowledged to me that he executed the same for the this statement conscientiously and with the knowledge the may be punishable by law.	e uses and purposes therein set forth. I make at knowingly making false statements herein
Notary Public/Witness printed name	No Authlia Dyness signature  KYLE E. FISHER  Hotery Public. State of Onio My Commission Expires October 2, 2016

Signed:	
James Edward POLAND	Date
State of } SS	
County of }	
POLAND, to me known to be the person nam acknowledged to me that he executed the same for	2012, before me personally appeared James Edward ed in and who executed the above instrument, and or the uses and purposes therein set forth. I make this e that knowingly making false statements herein may
Notary Public/Witness printed name	Notary Public/Witness signature
Signed: John Monorief LAYMAN	3/2/2012 Date
State of Bhro } SS County of Bottor }	
LAYMAN, to me known to be the person name acknowledged to me that he executed the same fo	2012, before me personally appeared John Moncrief ed in and who executed the above instrument, and r the uses and purposes therein set forth. I make this that knowingly making false statements herein may
William N. William N. W. W. William N. W. William N. W. William N. W. William N. W.	Susa G. Wich
Notate and Address printed SOSAN E WICK	Notary Public/Witness signature
No printed SUSAN E WICK  NOTARY PUBLIC - OHIO  MY COMMISSION EXPIRES	
MY COMMISSION EXPIRES	

Signed:		
Danny David LUI	MPKIN	Date
State of		
	} SS	
County of		
On this	day of	, 2014, before me personally appeared Danny David
LUMPKIN, to m acknowledged to	e known to be the perme that he executed the	erson named in and who executed the above instrument, and e same for the uses and purposes therein set forth. I make this knowledge that knowingly making false statements herein may
be punishable by l	•	diowieuge mat knowingly making laise statements neteni may
Notani Public/Wii	mace printed name	Notary Public/Witness signature

WHEREAS I/we, the undersigned inventor(s) herewith declare that I am the sole inventor/we are the joint inventors and I/we have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled Injection Mold Having a Simplified Cooling System, Attorney's Docket No 12129P and filed in the United States Patent Office as Number 61/602,781, on February 24, 2012. (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert the Serial Number and filing date of said application in this document when ascertained.)

Gene Michael ALTONEN of 7649 Nordan Drive, West Chester, Ohio, 45069, US; Ralph Edwin NEUFARTH of 5256 Coventry Court, Liberty Township, Ohio, 45011, US; John Boyet STEVENS of 6637 Caddies Way, Mason, Ohio, 45040, US; Robert Lawrence PROSISE of 7104 Larchwood Drive, Cincinnati, Ohio, 45241, US; James Edward POLAND of 7764 Castlewood Lane, Burlington, Kentucky, 41005, US; John Moncrief LAYMAN of 5321 Elmwood Lane, Liberty Township, Ohio, 45044, US; Danny David LUMPKIN of 3745 Drakewood Drive, Cincinnati, OH, 45209, 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 (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Japan K.K.; P&G Innovation Godo Kaisha; P&G Design Center Godo Kaisha; Procter & Gamble Hong Kong Limited; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; Procter & Gamble Manufacturing (Thailand) Limited; Procter & Gamble (Guangzhou) Ltd.; P&G Northeast Asia Pte. Ltd.; P&G Max Factor Godo Kaisha; P&G K.K.; Procter & Gamble Asia Pte. Ltd.; Procter & Gamble de Mexico; Procter & Gamble de Venezuela, and P&G-Clairol, Inc.) 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, all 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. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to any and all applications for said invention(s), and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

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 \_\_\_\_\_\_\_\_ to The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the 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:	
Gene Michael ALTONEN	Date
State of }	
State of } SS	
County of }	
ALTONEN, to me known to be the pers acknowledged to me that he executed the	, 2012, before me personally appeared Gene Michae on named in and who executed the above instrument, and same for the uses and purposes therein set forth. I make this owledge that knowingly making false statements herein may
Notary Public/Witness printed name	Notary Public/Witness signature
Signed: Ralph Edwin NEUFARTH	Date
State of } SS	
State of } SS County of }	
NEUFARTH, to me known to be the persacknowledged to me that he executed the s	, 2012, before me personally appeared Ralph Edwin son named in and who executed the above instrument, and same for the uses and purposes therein set forth. I make this ewledge that knowingly making false statements herein may
Notary Public/Witness printed name	Notary Public/Witness signature

Signed: Aly Byt Steves John Boyet STEVENS	04/09/2012 Date
State of Oh.o } County of Buller }	
STEVENS, to me known to be the person no acknowledged to me that he executed the same	, 2012, before me personally appeared John Boyer armed in and who executed the above instrument, and for the uses and purposes therein set forth. I make this dge that knowingly making false statements herein may Notary Public/Witness signature
Signed: Robert Lawrence PROSISE	Date
State of } State of } SS County of }	
Lawrence PROSISE, to me known to be the pe and acknowledged to me that he executed the s	, 2012, before me personally appeared Robert rson named in and who executed the above instrument ame for the uses and purposes therein set forth. I make owledge that knowingly making false statements herein
Notary Public/Witness printed name	Notary Public/Witness signature

Signed:		,
James Edward Po	OLAND	Date
State of	) } SS	<del>v</del>
County of	)	
POLAND, to me acknowledged to	e known to be the per me that he executed th entiously and with the l	, 2012, before me personally appeared James Edwarson named in and who executed the above instrument, are same for the uses and purposes therein set forth. I make the characteristic set that knowingly making false statements herein making false statements herein making false statements.
Notary Public/W	itness printed name	Notary Public/Witness signature
Signed:		
John Moncrief La	AYMAN	Date
State of	) } SS	
County of	}	
LAYMAN, to m acknowledged to	e known to be the per me that he executed the antiously and with the k	, 2012, before me personally appeared John Moncri rson named in and who executed the above instrument, as e same for the uses and purposes therein set forth. I make the mowledge that knowingly making false statements herein manager
Notary Public/Wi	tness printed name	Notary Public/Witness signature

Signed:		
Danny David LU	MPKIN	Date
State of	}	
County of	}	
LUMPKIN, to macknowledged to	te known to be the po me that he executed the entiously and with the	, 2014, before me personally appeared Danny David erson named in and who executed the above instrument, and ne same for the uses and purposes therein set forth. I make this knowledge that knowingly making false statements herein may
Notary Public/Wi	tness printed name	Notary Public/Witness cionature

WHEREAS I/we, the undersigned inventor(s) herewith declare that I am the sole inventor/we are the joint inventors and I/we have made certain invention(s), as set forth in a patent application (including industrial designs and utility models), whether claimed or unclaimed, entitled Injection Mold Having a Simplified Cooling System, Attorney's Docket No 12129P and filed in the United States Patent Office as Number 61/602,781, on February 24, 2012. (I/we grant the hereinafter named assignee and/or any person authorized thereby, the power to insert the Serial Number and filing date of said application in this document when ascertained.)

Gene Michael ALTONEN of 7649 Nordan Drive, West Chester, Ohio, 45069, US; Ralph Edwin NEUFARTH of 5256 Coventry Court, Liberty Township, Ohio, 45011, US; John Boyet STEVENS of 6637 Caddies Way, Mason, Ohio, 45040, US; Robert Lawrence PROSISE of 7104 Larchwood Drive, Cincinnati, Ohio, 45241, US; James Edward POLAND of 7764 Castlewood Lane, Burlington, Kentucky, 41005, US; John Moncrief LAYMAN of 5321 Elmwood Lane, Liberty Township, Ohio, 45044, US; Danny David LUMPKIN of 3745 Drakewood Drive, Cincinnati, OH, 45209, 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 (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Japan K.K.; P&G Innovation Godo Kaisha; P&G Design Center Godo Kaisha; Procter & Gamble Hong Kong Limited; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; Procter & Gamble Manufacturing (Thailand) Limited; Procter & Gamble (Guangzhou) Ltd.; P&G Northeast Asia Pte. Ltd.; P&G Max Factor Godo Kaisha; P&G K.K.; Procter & Gamble Asia Pte. Ltd.; Procter & Gamble de Mexico; Procter & Gamble de Venezuela, and P&G-Clairol, Inc.) 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, all 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. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to any and all applications for said invention(s), and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

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 \_\_\_\_\_\_\_ to The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the 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:		
Gene Michael ALT	ONEN	Date
State of	} }	
County of		
ALTONEN, to me acknowledged to m	known to be the person the executed the strough the strong and with the known in th	, 2012, before me personally appeared Gene Micha on named in and who executed the above instrument, ar ame for the uses and purposes therein set forth. I make the wledge that knowingly making false statements herein makes the contract of the contra
Notary Public/Witn	ess printed name	Notary Public/Witness signature
Signed: Ralph Edwin NEUI	CADTU	
State of  County of	} SS	Loan
On this NEUFARTH, to macknowledged to make	day of e known to be the pers e that he executed the si lously and with the kno	, 2012, before me personally appeared Ralph Edwi on named in and who executed the above instrument, an ame for the uses and purposes therein set forth. I make th wledge that knowingly making false statements herein ma
Notary Public/Witn	ess printed name	Notary Public/Witness signature

Signed:	***************************************
John Boyet STEVENS	Date
State of } SS	
County of }	
STEVENS, to me known to be the person acknowledged to me that he executed the same	, 2012, before me personally appeared John Boyenamed in and who executed the above instrument, and e for the uses and purposes therein set forth. I make this edge that knowingly making false statements herein magnetic.
Notary Public/Witness printed name	Notary Public/Witness signature
Signed:	
Robert Lawrence PROSISE	Date
State of } SS County of }	
County of }	
Lawrence PROSISE, to me known to be the p and acknowledged to me that he executed the	, 2012, before me personally appeared Rober erson named in and who executed the above instrument same for the uses and purposes therein set forth. I make towledge that knowingly making false statements herein
Notary Public/Witness printed name	Notary Public/Witness signature

James Edward POLAND		Date
State of County of	}	
POLAND, to me acknowledged to	known to be the person me that he executed the solitons in the known i	, 2012, before me personally appeared James Edward n named in and who executed the above instrument, and same for the uses and purposes therein set forth. I make this owledge that knowingly making false statements herein may
Notary Public/Wi	tness printed name	Notary Public/Witness signature
Signed:		
John Moncrief LA	YMAN	Date
State of County of	} } SS }	
County of	}	
LAYMAN, to me acknowledged to r	known to be the persone that he executed the solutionsly and with the known is the known that the known is the known to be the person in the known to be the known t	, 2012, before me personally appeared John Moncrief n named in and who executed the above instrument, and ame for the uses and purposes therein set forth. I make this wledge that knowingly making false statements herein may
Notary Public/Wit	ness printed name	Notary Public/Witness signature

		22 N	Date	
SS				
vn to be the person the executed the so y and with the kno	on named in an same for the uses	d who execut s and purposes	ed the above in the the state of the state o	instrument, and th. I make this
	•	Notary Publi	c/Witness sign	ature
	wn to be the perse t he executed the s	ay of, 2014, be wn to be the person named in and the executed the same for the user y and with the knowledge that know	SS  ay of	ay of, 2014, before me personally appeare wn to be the person named in and who executed the above it he executed the same for the uses and purposes therein set for y and with the knowledge that knowingly making false statemed.

**RECORDED: 05/27/2014**