PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David (NMN) Tetard	04/16/2012
Adam Phillip Robinson-Miller	04/16/2012
Robert Richard Dykstra	05/14/2012
Gregory Scot Miracle	04/11/2012

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13443923

CORRESPONDENCE DATA

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Email: werdman.kl@pg.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

501925309

Correspondent Name: The Procter & Gamble Company

Address Line 1: 299 East Sixth Street Address Line 2: Central Docketing- 4th Floor Address Line 4: Cincinnati, OHIO 45202

ATTORNEY DOCKET NUMBER:	12081M

NAME OF SUBMITTER: Andrew J. Mueller

REEL: 028230 FRAME: 0317

<u>PATENT</u>

Total Attachments: 6 source=12081M_Signed_Assgn#page1.tif source=12081M_Signed_Assgn#page2.tif source=12081M_Signed_Assgn#page3.tif source=12081M_Signed_Assgn#page4.tif source=12081M_Signed_Assgn#page5.tif source=12081M_Signed_Assgn#page6.tif

GLOBAL GENERAL ASSIGNMENT

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 METAL BLEACH CATALYSTS, Attorney's Docket No. 12081M and filed in the METAL Patent Office as Number 13,1443,423, on April 11,2017. (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.)

David (NMN) TÉTARD of Harelaw House, Harelaw, Stanley, County Durham, United Kingdom, DH9 8DH

Adam Phillip ROBINSON-MILLER of 2 Alderwood Park, Newcastle Upon Tyne, Northumberland, England NE23 7JJ

Robert Richard DYKSTRA of 7280 Susan Springs Drive, West Chester, Ohio, 45069, USA Gregory Scot MIRACLE of 3065 Old Oxford Road, Hamilton, Ohio, 45013, 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 (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 13,1443,923 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 execution shown below, or 2) the filing date of the first-fi	effective as o	of the earli	er of 1) th	e date of
Signed				
Signed	6 th	April Date	2012	
David (NMN) TÉPARD		Date	***************************************	
State of WA)				
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State of V/A } SS County of VALED }				
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On this day of <u>APOLL</u> , 2012, be TÉTARD, to me known to be the person named in ar acknowledged to me that he executed the same for the use statement conscientiously and with the knowledge that knowledg	nd who exected and purpose	uted the abses therein s	ove instrunget for the Lines	nent, and make this
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Adam Phillip ROBINSON-MILLER		Date		
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On this 16 day of	n named in e same for th	and who e uses and	executed the purposes the	ne above nerein set
Notary Public (printed name)	D We Notary Pub	lic (signatu	re)	

Robert Richard DY	/KSTRA		Date	
State of Ohio				
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County of				
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David (NMN) TÉTARD of Harelaw House, Harelaw, Stanley, County Durham, United Kingdom, DH9 8DH

Adam Phillip ROBINSON-MILLER of 2 Alderwood Park, Newcastle Upon Tyne, Northumberland, England NE23 7JJ

Robert Richard DYKSTRA of 7280 Susan Springs Drive, West Chester, Ohio, 45069, USA Gregory Scot MIRACLE of 3065 Old Oxford Road, Hamilton, Ohio, 45013, USA

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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 13143 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).

David (NMN) TÉTA	ARD				Date	
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On this	day of		, 2012, 1	pefore me perso	onally appeared David	(NMN)
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Adam Phillip ROBI	NSON-MILLER	•			Date	
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tate of Ohio SS County of Ham 1470	n Robert Richard
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Notary Public (printed name)	NOTARY PUBLIC
Notally 1 u	= . : = CTATE OF OHIO
	MY COMMISSION EXPIRES JUNE 9, 2013
	EXPIRES JOINE 3, 2019
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County of Market 19	, 2012, before me personally appeared Gregory Scot
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Jandra D. Wilson	Notaty Public (signature)
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1100003 2 22-22 4	SANDRA D. WILSON
	NOTARY PUBLIC
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	EXPIRES JUNE 9 2013
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