

# PATENT ASSIGNMENT

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| SUBMISSION TYPE:   | NEW ASSIGNMENT               |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
|--|------------------------------|---------------|------------------------------|--------------------------|----------------------------|-------------------|----------------------------|--------------|------------|--------------------|------------|--------------|-------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                   |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <b>CONVEYING PARTY DATA</b>  |                              |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Erich William Gansmuller</td> <td>10/01/2008</td> </tr> <tr> <td>Ke-ming Quan</td> <td>09/18/2008</td> </tr> <tr> <td>Yunpeng Yang</td> <td>09/18/2008</td> </tr> <tr> <td>Francesc Corominas</td> <td>09/05/2008</td> </tr> </tbody> </table>                             |                              | Name          | Execution Date               | Erich William Gansmuller | 10/01/2008                 | Ke-ming Quan      | 09/18/2008                 | Yunpeng Yang | 09/18/2008 | Francesc Corominas | 09/05/2008 |              |       |
| Name   | Execution Date               |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| Erich William Gansmuller   | 10/01/2008                   |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| Ke-ming Quan   | 09/18/2008                   |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| Yunpeng Yang   | 09/18/2008                   |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| Francesc Corominas   | 09/05/2008                   |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <b>RECEIVING PARTY DATA</b>  |                              |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Procter &amp; Gamble Company</td> </tr> <tr> <td>Street Address:</td> <td>One Procter &amp; Gamble Plaza</td> </tr> <tr> <td>Internal Address:</td> <td>Attn: Chief Patent Counsel</td> </tr> <tr> <td>City:</td> <td>Cincinnati</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>45202</td> </tr> </table> |                              | 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 |
| 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                        |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <b>PROPERTY NUMBERS Total: 1</b>   |                              |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12504859</td> </tr> </tbody> </table>  |                              | Property Type | Number                       | Application Number:      | 12504859                   |                   |                            |              |            |                    |            |              |       |
| Property Type  | Number                       |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| Application Number:  | 12504859                     |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <b>CORRESPONDENCE DATA</b>   |                              |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| <p>Fax Number: (513)277-2292</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 513-983-8009</p> <p>Email: wayman.la@pg.com</p> <p>Correspondent Name: Central Docketing</p> <p>Address Line 1: 299 E Sixth St</p> <p>Address Line 2: S4-210</p> <p>Address Line 4: Cincinnati, OHIO 45202</p>  |                              |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| ATTORNEY DOCKET NUMBER:  | 11111                        |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |
| NAME OF SUBMITTER:   | Jeffrey V. Bamber            |               |                              |                          |                            |                   |                            |              |            |                    |            |              |       |

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**PATENT**  
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Total Attachments: 9

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## G L O B A L   G E N E R A L   A S S I G N M E N T

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 a certain invention as set forth in a patent application (including industrial designs and utility models) entitled APPARATUS AND METHOD FOR MIXING BY PRODUCING SHEAR AND/OR CAVITATION, AND COMPONENTS FOR APPARATUS, Attorney's Docket No. 11111P and filed in the United States Patent Office as Number 61/083,583, on July 25, 2008 (the hereinafter named assignee being authorized to insert said Number and filing date when ascertained):

Erich William Gansmuller of 1233 Neale Lane, Loveland, Ohio U.S.A.;  
Ke-ming (NMN) Quan of 8647 Eagle Ridge Drive, West Chester, Ohio U.S.A.;  
Yunpeng (NMN) Yang of 3956 Crooked Tree Drive, Mason, Ohio U.S.A.;  
Francesc Corominas of Smaragdstraat 8, Strombeek-Bever, 1850 Belgium;

I/We made said invention set forth in said patent application while employed by, or otherwise under an obligation to assign said invention 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.; Procter & Gamble Hong Kong Ltd.; 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) Ltd.; Procter & Gamble (Guangzhou) Ltd.; P&G Northeast Asia Pte Ltd; Max Factor K.K.; P&G K.K.; Procter & Gamble Asia Pte. Limited; Procter & Gamble de Mexico; Procter & Gamble de Venezuela, and P&G-Clairol, Inc.) and acknowledge my/our obligation at the time the invention was made to assign said invention 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, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest (including the right to claim priority of the filing date of said patent application under international conventions) in said invention as set forth in said patent application, and in all patents of the United States and of any other country which may be issued for said invention, 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 applications, 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 the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention herein assigned and as set forth in U. S. Application Serial Number 12/504859 (the hereinafter named assignee being authorized to insert said U.S. Serial Number when ascertained) 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 and the invention and the invention covered thereby.

  
Erich William Gansmuller

State of Ohio }  
County of HAMILTON } SS

Ke-Ming Quan

Date \_\_\_\_\_

State of Ohio               }  
County of                  } SS

Notary Public/Witness

Yunpeng Yang

Date \_\_\_\_\_

[illegible]

Notary Public/Witness

\_\_\_\_\_  
Francesc Corominas

\_\_\_\_\_  
Date

State of                    }  
                              } SS  
County of                 }

On this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared Francesc Corominas, 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.

\_\_\_\_\_  
Witness

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Rev. 12/07

## GLOBAL GENERAL ASSIGNMENT

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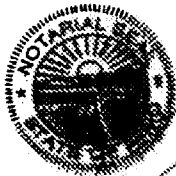
The ASSIGNMENT of said invention is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of the first-filed of said patent application(s).

\_\_\_\_\_  
Erich William Gansmuller

\_\_\_\_\_  
Date

State of Ohio }  
                              } SS  
County of Butler }

On this 18th day of September, 2008, before me personally appeared Erich William Gansmuller, 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.



Karen D. Couch  
Notary Public, State of Ohio  
My Commission Expires 03-06-2013

Karen D. Couch  
Notary Public/Witness

9/18/2008  
Date

\_\_\_\_\_  
Ke-Ming Quan

State of Ohio }  
                              } SS  
County of Butler }

On this 18th day of September, 2008, before me personally appeared Ke-Ming Quan, 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.



Karen D. Couch  
Notary Public, State of Ohio  
My Commission Expires 03-06-2013

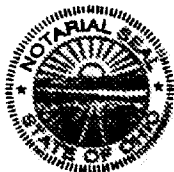
Karen D. Couch  
Notary Public/Witness

9/18/2008  
Date

\_\_\_\_\_  
Yunpeng Yang

State of Ohio }  
                              } SS  
County of       }

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Karen D. Couch  
Notary Public, State of Ohio  
My Commission Expires 03-06-2013

Karen D. Couch  
Notary Public/Witness

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\_\_\_\_\_  
Francesc Corominas

\_\_\_\_\_  
Date

State of                    }  
                              }  
County of                } SS

On this \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared Francesc Corominas, 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.

\_\_\_\_\_  
Witness

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Rev. 12/07

The ASSIGNMENT of said invention 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).

\_\_\_\_\_  
Erich William Gansmuller

\_\_\_\_\_  
Date

State of Ohio       |  
                          | SS  
County of           |

On this \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared Erich William Gansmuller, 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.

\_\_\_\_\_  
Notary Public/Witness

\_\_\_\_\_  
Ke-Ming Quan

\_\_\_\_\_  
Date

State of Ohio       |  
                          | SS  
County of           |

On this \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared Ke-Ming Quan, 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.

\_\_\_\_\_  
Notary Public/Witness

\_\_\_\_\_  
Yunpeng Yang

\_\_\_\_\_  
Date

State of Ohio       |  
                          | SS  
County of           |

On this \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally appeared Yunpeng Yang, 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.

\_\_\_\_\_  
Notary Public/Witness

Frances Corominas  
Francesc Corominas

SEPTEMBER 5<sup>th</sup>, 2008  
Date

State of \_\_\_\_\_  
County of \_\_\_\_\_ SS

On this 5<sup>th</sup> day of September, 2008, before me personally appeared Francesc Corominas, 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.

Hugo San Blas Hernandez  
Witness

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