

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Munmaya K. Mishra	06/10/2011
Shengsheng Liu	10/14/2011
William R. Sweeney	06/10/2011
Peter J. Lipowicz	08/03/2011
RECEIVING PARTY DATA	
Name:	Philip Morris USA Inc.
Street Address:	6601 West Broad Street
City:	Richmond
State/Country:	VIRGINIA
Postal Code:	23230
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13072166
CORRESPONDENCE DATA	
Fax Number:	(703)836-2021
Phone:	703-836-6620
Email:	ADIPFDD@bipc.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	BUCHANAN, INGERSOLL & ROONEY PC
Address Line 1:	POST OFFICE BOX 1404
Address Line 4:	ALEXANDRIA, VIRGINIA 22313-1404
ATTORNEY DOCKET NUMBER:	1021238-000979
NAME OF SUBMITTER:	Peter K. Skiff
Total Attachments: 8	

OP \$40.00 13072166

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**PATENT
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ASSIGNMENT
(JOINT)

THIS ASSIGNMENT, by 1) Munmaya K. Mishra, 2) Shengsheng Liu, 3) William R. Sweeney and 4) Peter J. Lipowicz (hereinafter referred to as "the Assignors"), residing at 1) 1631 Sabot Creek Drive, Manakin Sabot, VA 23103, 2) 11812 Coolwind Lane, Richmond, VA 23233, 3) 8242 Marwood Drive, Richmond, VA 23235 and 4) 6003 Sedgefield Terrace, Midlothian, VA 23112, respectively, witnesseth:

WHEREAS, the Assignors have made certain new and useful inventions in BIOPOLYMER FOAMS AS FILTERS FOR SMOKING ARTICLES set forth in an application for Letters Patent of the United States of America, [] having an oath or declaration executed on even date herewith; [X] bearing Serial No. 13/072,166, and filed on March 25, 2011; and

WHEREAS, PHILIP MORRIS USA INC., a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 6601 West Broad Street, Richmond, VA 23230, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

WHEREAS, PHILIP MORRIS PRODUCTS S.A. (formerly known as Fabriques de Tabac Reunies S.A.), a corporation organized and existing under the laws of Switzerland and having an office and place of business at Quai Jeanrenaud 3, CH-2000, Neuchâtel, Switzerland, is desirous of acquiring the entire right, title, and interest in and to the inventions for countries foreign to the United States, and in and to any foreign patent applications, and in and to any foreign Letters Patent or Patents to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

ASSIGNMENT OF
UNITED STATES PATENT RIGHTS

We do hereby sell, assign and transfer unto PHILIP MORRIS USA INC., its successors, assigns and legal representatives, all right, title, and interest in and to the inventions, for the United States, and in and to the United States patent application, including any continuations and divisions thereof, and any substitute applications therefor and any United States patents which may issue thereon and any reissues and extensions of the same; and we hereby authorize and request the Commissioner of Patents to grant and issue any and all patents on the inventions in the United States to PHILIP MORRIS USA INC. as the assignee thereof.

ASSIGNMENT OF
FOREIGN PATENT RIGHTS

Further in view of the consideration hereinabove referred to, we do hereby sell, assign, and transfer unto PHILIP MORRIS PRODUCTS S.A., its successors, assigns and legal representatives, all right, title and interest in and to the inventions for all countries foreign to the United States, including the right to claim priority under the International Convention based on the United States patent application, and in and to any foreign patent application, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any foreign patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on the inventions in any foreign country to PHILIP MORRIS PRODUCTS S.A. as the assignee thereof.

We further agree to execute upon request of the assignee PHILIP MORRIS USA INC. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in the United States, and to execute upon request of assignee PHILIP MORRIS PRODUCTS S.A. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in countries foreign to the United States, and to otherwise give full effect to and perfect the rights of the assignee PHILIP MORRIS USA INC. in the United States and of assignee PHILIP MORRIS PRODUCTS S.A. in countries foreign to the United States.

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions and any and all applications for Letters Patent above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the assignees, or counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with the inventions or any and all applications for Letters Patent, or any proceeding in connection with Letters Patent for the inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for the inventions, without charge to the assignees, their successors, legal representatives, and assigns, but at the cost and expense of the assignees, their successors, legal representatives, and assigns;

IN TESTIMONY THEREOF, we have hereunto signed our names on the dates hereinafter indicated:

Date 6/10/11 Name of Assignor Munmaya K. Mishra

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 10 day of June, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires 11/30/2012
Notary Public
Commission No. 337303
My Commission Expires 11/30/2012

[Signature]
NOTARY PUBLIC

Date _____ Name of Assignor Shengsheng Liu

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this _____ day of _____, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.


My Commission Expires: _____
(Notarial Seal) NOTARY PUBLIC

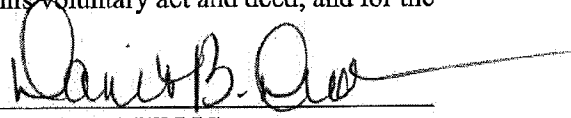
Date 6/10/11

Name of Assignor 
William R. Sweeney

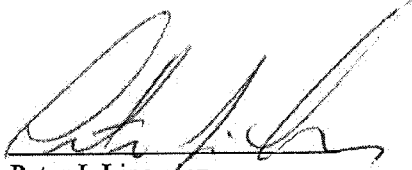
STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 10 day of June, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:  Danielle Basl Durham
Commonwealth of Virginia
Notary Public
Commission No. 337303
My Commission Expires 11/30/2012
(Notarial Seal)


NOTARY PUBLIC

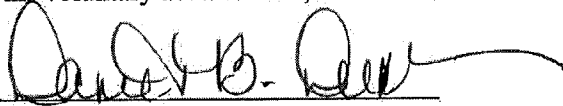
Date August 3, 2011

Name of Assignor 
Peter J. Lipowicz

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 3 day of August, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:  Danielle Basl Durham
Commonwealth of Virginia
Notary Public
Commission No. 337303
My Commission Expires 11/30/2012
(Notarial Seal)


NOTARY PUBLIC

ASSIGNMENT
(JOINT)

THIS ASSIGNMENT, by 1) Munmaya K. Mishra, 2) Shengsheng Liu, 3) William R. Sweeney and 4) Peter J. Lipowicz (hereinafter referred to as "the Assignors"), residing at 1) 1631 Sabot Creek Drive, Manakin Sabot, VA 23103, 2) 11812 Coolwind Lane, Richmond, VA 23233, 3) 8242 Marwood Drive, Richmond, VA 23235 and 4) 6003 Sedgefield Terrace, Midlothian, VA 23112, respectively, witnesseth:

WHEREAS, the Assignors have made certain new and useful inventions in BIOPOLYMER FOAMS AS FILTERS FOR SMOKING ARTICLES set forth in an application for Letters Patent of the United States of America, [] having an oath or declaration executed on even date herewith; [X] bearing Serial No. 13/072,166, and filed on March 25, 2011; and

WHEREAS, PHILIP MORRIS USA INC., a corporation duly organized under and pursuant to the laws of the State of Virginia and having an office and place of business at 6601 West Broad Street, Richmond, VA 23230, is desirous of acquiring the entire right, title, and interest in and to the inventions for the United States and the application for Letters Patent of the United States, and in and to any United States Letters Patent or Patents, to be obtained therefor and thereon; and

WHEREAS, PHILIP MORRIS PRODUCTS S.A. (formerly known as Fabriques de Tabac Reunies S.A.), a corporation organized and existing under the laws of Switzerland and having an office and place of business at Quai Jeanrenaud 3, CH-2000, Neuchâtel, Switzerland, is desirous of acquiring the entire right, title, and interest in and to the inventions for countries foreign to the United States, and in and to any foreign patent applications, and in and to any foreign Letters Patent or Patents to be obtained therefor and thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to each of us paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

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UNITED STATES PATENT RIGHTS

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ASSIGNMENT OF
FOREIGN PATENT RIGHTS

Further in view of the consideration hereinabove referred to, we do hereby sell, assign, and transfer unto PHILIP MORRIS PRODUCTS S.A., its successors, assigns and legal representatives, all right, title and interest in and to the inventions for all countries foreign to the United States, including the right to claim priority under the International Convention based on the United States patent application, and in and to any foreign patent application, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any foreign patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on the inventions in any foreign country to PHILIP MORRIS PRODUCTS S.A. as the assignee thereof.

We further agree to execute upon request of the assignee PHILIP MORRIS USA INC. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in the United States, and to execute upon request of assignee PHILIP MORRIS PRODUCTS S.A. such additional documents, if any, as are necessary and proper to secure patent protection on the inventions in countries foreign to the United States, and to otherwise give full effect to and perfect the rights of the assignee PHILIP MORRIS USA INC. in the United States and of assignee PHILIP MORRIS PRODUCTS S.A. in countries foreign to the United States.

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions and any and all applications for Letters Patent above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the assignees, their successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the assignees, or counsel of their successors, legal representatives, and assigns, shall advise that any proceeding in connection with the inventions or any and all applications for Letters Patent, or any proceeding in connection with Letters Patent for the inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for the inventions, without charge to the assignees, their successors, legal representatives, and assigns, but at the cost and expense of the assignees, their successors, legal representatives, and assigns;

IN TESTIMONY THEREOF, we have hereunto signed our names on the dates hereinafter indicated:

Date _____ Name of Assignor Munmaya K. Mishra

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

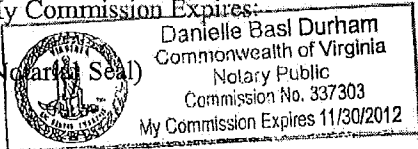
On this _____ day of _____, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: _____
NOTARY PUBLIC
(Notarial Seal)

Date 10/14/2011 Name of Assignor Shengsheng Liu
Shengsheng Liu

STATE OF VIRGINIA)
: ss
CITY OF RICHMOND)

On this 14 day of October, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires: _____
NOTARY PUBLIC
(Notarial Seal) 

Date _____

Name of Assignor _____

William R. Sweeney

STATE OF VIRGINIA)

: ss

CITY OF RICHMOND)

On this _____ day of _____, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)

Date _____

Name of Assignor _____

Peter J. Lipowicz

STATE OF VIRGINIA)

: ss

CITY OF RICHMOND)

On this _____ day of _____, 2011, appeared before me in person the above-named individual, and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed, and for the uses and purposes therein set forth.

My Commission Expires:

NOTARY PUBLIC

(Notarial Seal)