

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jed E. Rose</td> <td>05/10/2011</td> </tr> <tr> <td>Seth E. Rose</td> <td>05/10/2011</td> </tr> <tr> <td>James E. Turner</td> <td>05/10/2011</td> </tr> <tr> <td>Thangaraju Murugusan</td> <td>05/10/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jed E. Rose	05/10/2011	Seth E. Rose	05/10/2011	James E. Turner	05/10/2011	Thangaraju Murugusan	05/10/2011
Name	Execution Date										
Jed E. Rose	05/10/2011										
Seth E. Rose	05/10/2011										
James E. Turner	05/10/2011										
Thangaraju Murugusan	05/10/2011										
RECEIVING PARTY DATA											
Name:	Philip Morris Products SA										
Street Address:	QUAI JEANRENAUD 3										
City:	NEUCHATEL										
State/Country:	SWITZERLAND										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13256816</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13256816						
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Application Number:	13256816										
CORRESPONDENCE DATA											
Fax Number:	(713)651-5246										
Phone:	713.651.5151										
Email:	pdjohnson@fulbright.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:	Patricia Johnson										
Address Line 1:	Fulbright & Jaworski L.L.P.										
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Address Line 4:	Houston, TEXAS 77010-3095										
ATTORNEY DOCKET NUMBER:	HO-PHMI.P0003US										
NAME OF SUBMITTER:	Leslie Streeter										

OP \$40.00 13256816

Total Attachments: 7

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PATENT ASSIGNMENT AGREEMENT

WHEREAS Jed E. Rose, James E. Turner, Seth D. Rose, and Thangaraju Murugesan (hereinafter, "Sellers") are the sole and exclusive owners of certain United States or foreign patents or patent applications listed in Exhibit A annexed hereto (collectively, and together with all inventions and discoveries claimed or otherwise disclosed in the patent applications, referred to as the "Patents"); and

WHEREAS Philip Morris Products SA, a company incorporated in Switzerland, with offices at Quai Jeanrenaud, 3 Neuchâtel, Switzerland (hereinafter, "Purchaser") is desirous of acquiring the right, title and interest in, to and under the said Patents (and all foreign counterparts and related foreign patents).

Now, Therefore,

For good and valuable consideration, the receipt of which is hereby acknowledged, Sellers hereby sell, assign, transfer and deliver to Purchaser, the Patents aforesaid, the entire right, title and interest associated therewith, all patents that may issue, directly or indirectly therefrom, any reissue or reissues of said Patents already granted and which may be granted, any certificates of reexamination already granted and which may be granted the same to be held and enjoyed by Purchaser for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by Sellers, if this assignment and sale had not been made; together with all claims for damages by reason of past, current, and future infringement or provisional rights under said Patents, with the right to sue for, and collect the same for its own use and behalf, all rights to claim priority to or the benefit of all Patents and including all continuations, continuations-in-part, divisions, continuing prosecution applications, PCT applications and other convention applications, requests for continuing examination, substitutes, reissues, reexaminations, extensions, and renewals that issue or are filed in the United States or in any foreign jurisdiction that are based on, or that otherwise relate to, any of the Patents, and for the use and behalf of its successors, assigns or other legal representatives.

And, Sellers, hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States corresponding to the Patents aforesaid to Purchaser as assignee of the entire interest, and hereby covenant that Sellers have full right to convey the entire interest herein assigned, and that Sellers have not executed, and will not execute, any agreements in conflict therewith.

In Witness Whereof, Sellers have duly executed this Patent Assignment Agreement.

JED E. ROSE

Jed E. Rose

Date: May 10, 2011

State of NC

County of DURHAM

On this 10th day of May, 2011 before me personally appeared Jed Rose, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Brenda J. Chavis
Notary Public

My Commission Expires: 8/5/11

SETH D. ROSE

Seth D. Rose

Date: May 10, 2011

State of Arizona

County of Maricopa

On this 10th day of May, 2011 before me personally appeared Seth D. Rose, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Jose Martinez
Notary Public

My Commission Expires:



JAMES E. TURNER

James Turner
Date: 5/10/11

State of Illinois

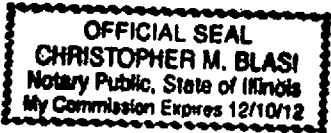
County of Kane

On this 10th day of May, 2011 before me personally appeared James E. Turner, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Christopher M. Blasi
Notary Public

My Commission Expires: 12/10/12



THANGARAJU MURUGUSAN

[Handwritten Signature]

Date: May 10, 2011

State of Tamil Nadu

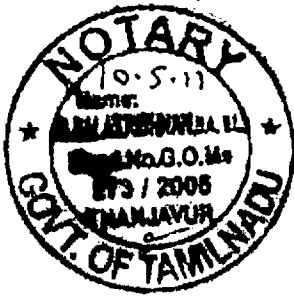
County of India

On this 10th day of MAY, 2011 before me personally appeared Thangaraju Murugusan to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

[Handwritten Signature]
Notary Public 10.5.11
[Handwritten Initials]

My Commission Expires:



S. BALAKRISHNAN, B.A., B.L.,
ADVOCATE & NOTARY PUBLIC,
9-A, 4th Cross St., Pandiyan Nagar,
THANJAVUR-613 607.
Tel: 04362-24722, Cell: 98430 17405

PATENT

EXHIBIT A

TO PATENT ASSIGNMENT AGREEMENT

US Provisional Patent Appln No. 60/909,302	USA	03/30/2007	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
US Patent Appln No. 12/054,883	USA	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
PCT Appln No. PCT / US2008/058122	PCT/US	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
Australian Patent Appln No. 2008232897	Australia	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
Canadian Patent Appln No. 2,682,432	Canada	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
Chinese Patent Appln No. 200880017582.7	China	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
European Patent Appln No. 08744313.1	EPO	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
Indian Patent Appln No. 6272/DELNP/2009	India	03/25/2008	"Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
Japanese Patent Appln No. 2010-501159	Japan	03/25/2008	"Device and Method for Delivery of a Medicament"	Sellers

			Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	
US Provisional Appln No. 61/160,904	USA	03/17/2009	"Tobacco-Based Nicotine Aerosol Generation System" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
PCT Appln No. PCT / US2010/026614	PCT/US	03/09/2010	"Tobacco-Based Nicotine Aerosol Generation System" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
US Provisional Appln No. 61/242,863	USA	09/16/2009	"Improved Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
US Provisional Appln No. 61/243,087	USA	09/16/2009	"Improved Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers
PCT Appln No. PCT / US2010/047271	PCT/US	08/31/2010	"Improved Device and Method for Delivery of a Medicament" Jed E. Rose, Seth D. Rose, James E. Turner & Thangaraju Murugesan	Sellers