

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Dongmei Xu		11/29/2004
RECEIVING PARTY DATA		
Name:	U.S. Smokeless Tobacco Company	
Street Address:	100 West Putnam Avenue	
City:	Greenwich	
State/Country:	CONNECTICUT	
Postal Code:	06830	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	10934944	
CORRESPONDENCE DATA		
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
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Correspondent Name:	James P. Krueger	
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NAME OF SUBMITTER:	James P. Krueger	
Total Attachments: 1		
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CH \$40.00 10934944

ASSIGNMENT

I, DONGMEI XU, of Lexington, Kentucky, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to U.S. SMOKELESS TOBACCO COMPANY, having its principal place of business at 100 West Putnam Avenue, Greenwich, Connecticut 06830, its successors, assigns and legal representatives, the entire right, title and interest, in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States entitled

CLONING OF CYTOCHROME P450 GENES FROM NICOTIANA

United States Application Number 10/934,944, filed September 3, 2004; and in and to all Letters Patent and all Convention and Treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any Letters Patent issuing therefrom, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements. I agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

November 29th, 2004

Dongmei Xu
Dongmei Xu

State of KENTUCKY)
) SS
County of Clark)

I hereby certify that before me in the County of Clark, in the State of Kentucky, personally appeared DONGMEI XU, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed, and delivered by him on the date appearing at the foot thereof.

November 29, 2004

Sharon Turley
Notary Public
My Commission Expires:
11/14/05