To the Honorable Commissioner of Pa Please record the attached original doc 101649	March 14, 2001 Attorney Dkt: 5051-529
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
R. Michael Roe 3/14/01	North Carolina State University 1 Holladay Hall Campus Box 7003 Raleigh, North Carolina 27695-7003
Additional name(s) of conveying party(ies) attached?Yes X No	
3. Nature of conveyance:	
X Assignment  Merger Security Agreement Change of Name Other	
Execution Date: March 14, 2001	Additional name(s) & address(es) attached? Yes X No
4. Application Serial No Patent No.	09808499
If this document is being filed together with a new application is:March 14, 2001	n, the execution date of the application
Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1
concerning document should be mailed: USPTO Customer No. 20792 Kenneth D. Sibley, Esq. Myers Bigel Sibley & Sajovec Post Office Box 37428 Raleigh, North Carolina 27627	7. Total fee (37 CFR 3.41) \$40.00  X Enclosed Authorized to be charged to deposit account  8. Deposit account number: 50-0220
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of the original document.  Kenneth D. Sibley, Ref. #31,665  Name of Person Signing  Signature	March 14, 2001 Date  pages including cover sheet, attachments and document: 3
3/19/2001 MLAKEW1 00000040 09808499 3 FC:581 40.00 DP	

PATENT REEL: 011612 FRAME: 0308

## **ASSIGNMENT**

THIS ASSIGNMENT, made by me, R. Michael Roe, a citizen of the United States of America, residing at 104 Bromfield Way, Apex, North Carolina 27502,

WITNESSETH: That,

RECORDED: 03/14/2001

WHERE	EAS, I am the sole inve	entor of certain new and useful improvements in
METHOD OF	REPELLING INSEC	CTS for which an application has been filed, or is being
concurrently filed, in the United States Patent and Trademark Office. I hereby authorize and		
request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application		
No	, filed	) the filing date and application number of said
application when known or to file this Assignment concurrently with the application; and		
WHEREAS North Carolina State University an educational institution having a		

WHEREAS, North Carolina State University, an educational institution having a principal place of business at 1 Holladay Hall, Campus Box 7003, Raleigh, North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

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