PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAMSEY S. LEWIS	04/15/2014
RALPH E. DEWEY	04/29/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14194362

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ATTORNEY DOCKET NUMBER:	5051-827TS
NAME OF SUBMITTER:	CANDI L. RIGGS
SIGNATURE:	/CLR/
DATE SIGNED:	06/05/2014

Total Attachments: 4

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> **PATENT** REEL: 033039 FRAME: 0382

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ASSIGNMENT

THIS ASSIGNMENT, made by us, Ramsey S. Lewis, a citizen of the United States of America, residing at 8640 Glade Hill Drive, Apex, North Carolina 27539; and Ralph E. Dewey, a citizen of the United States of America, residing at 2403 Colony Woods Drive, Apex, North Carolina 27502; $\frac{23}{04/24/14}$

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in TOBACCO INBRED AND HYBRID PLANTS AND USES THEREOF for which U.S. Provisional Patent Application No. 61/772,786, filed on March 5, 2013; U.S. Provisional Patent Application No. 61/772,788, filed on March 5, 2013; U.S. Provisional Patent Application No. 61/772,792, filed on March 5, 2013; U.S. Provisional Patent Application No. 61/772,797, filed on March 5, 2013; U.S. Provisional Patent Application No. 61/915,951, filed on December 13, 2013; U.S. Provisional Patent Application No. 61/915,964, filed on December 13, 2013; U.S. Provisional Patent Application No. 61/915,970, filed on December 13, 2013; U.S. Provisional Patent Application No. 61/915,976, filed on December 13, 2013; and U.S. Patent Application Serial No. 14/194,362, was filed on February 28, 2014 in the United States Patent and Trademark Office;

WHEREAS, North Carolina State University, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina, having a principal office at Campus Box 8210, City of Raleigh, County of Wake, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring my entire right, title and interest in and to said invention as described in said application(s), 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, we have sold and by these presents do hereby sell, assign, transfer and convey unto said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application(s), 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 or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term

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for which said Letters Patent may be granted along with any term extensions thereon or therefor, 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 us if this assignment and sale had not been made.

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

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and applications above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 154 day of
April , 2014. Ramsey S. Lewis (SEAL)
STATE OF NORTH CAROLINA)
COUNTY OF Wake
Before me personally appeared the person described in and who executed the foregoing
instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 15th day of April , 2014.
SEAL My Commission Expires: March 12, 2018
CUNTY NO

ATTORNEY DOCKET NO. 5051-827TS

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21 day of
$A \rho ri/$, 2014.
Ralph E. Dewey (SEAL)
STATE OF NORTH CAROLINA)
COUNTY OF Wake
Before me personally appeared the person described in and who executed the foregoing
instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this Am day of Man , 2014.
Allady M. Wormles Notary Public
SEAL My Commission Expires: Womes Womes
Notary Public
Take county's