

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
John T. Novak	09/28/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Virginia Polytechnic Institute and State University
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<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	24061
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11585842
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<b>ATTORNEY DOCKET NUMBER:</b>	VTIP 11-012
<b>NAME OF SUBMITTER:</b>	Mark S. Coburn
<b>Total Attachments: 2</b> source=11-012 Assign Inv to VT#page1.tif source=11-012 Assign Inv to VT#page2.tif	

OP \$40.00 11585842

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**PATENT**  
**REEL: 025438 FRAME: 0506**

**ASSIGNMENT**

**WHEREAS**, I/we, the below-named inventor(s) (hereinafter referred to as ASSIGNORS) whose residence address is stated below, have invented certain new and useful improvements in an invention entitled:

**Apparatus and Method Using a Simultaneous, Sequential or Pulsed Aerobic  
and/or Anoxic Digestion Process**

for which an application for United States Letters Patent Serial No. 11/585,842 has been filed on October 25, 2006 ; and

**WHEREAS**, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNEE), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at 301 Burruss Hall, Blacksburg, Virginia, 24061, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

**NOW, THEREFORE**, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries and any non-provisional applications claiming the benefit of said application to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

**ASSIGNORS** hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

**ASSIGNORS** further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, enforce and defend said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

VTIP 11-012

Serial Number: 11/585,842

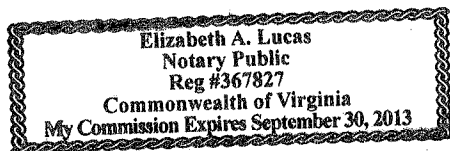
Full name of inventor: John T. Novak

Residence: 1407 Highland Circle, Blacksburg, Virginia 24060

Signature: John T. Novak Date: Sept 28, 2010

County of Montgomery  
State of Virginia

The foregoing instrument was acknowledged before me this 28<sup>th</sup> day of September, 2010  
by John T. Novak.



Elizabeth A. Lucas  
Notary Public  
Notary Registration Number: 3678 27  
My Commission Expires: 9/30/13