

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Peter Herbert North	01/22/2010
RECEIVING PARTY DATA	
Name:	Nova Pangaea Technologies, Inc.
Street Address:	160 Greentree Drive
Internal Address:	Suite 101
City:	Dover
State/Country:	DELAWARE
Postal Code:	19904
PROPERTY NUMBERS Total: 2	
Property Type	Number
PCT Number:	IB1002591
Application Number:	12893429
CORRESPONDENCE DATA	
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<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:	Thomas R. Hipkins
Address Line 1:	200 South Sixth Street
Address Line 2:	Suite 4000
Address Line 4:	Minneapolis, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	59553.2
NAME OF SUBMITTER:	Thomas R. Hipkins
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

OP \$80.00 IB1002591

**ASSIGNMENT**

Whereas, Peter Herbert North, residing at An Sciobol Spital, Cloyne, County Cork, Ireland ("Assignor"), has made invention(s) for which United States and foreign patents and patent applications have been filed and are identified on the attached Schedule 1;

Whereas, Nova Pangaea Technologies, Inc., a Delaware corporation having its principal offices at 160 Greentree Drive, Suite 101, City of Dover, County of Kent, Delaware 19904 ("Assignee"), desires to acquire the entire right, title and interest in and to the United States and foreign patents and patent applications identified on the attached Schedule 1 and in and to the inventions described and claimed therein (the "Patents"); and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Patents including the inventions described and/or claimed therein, and to each U.S. and foreign patent application and patent that claims priority to the Patents, in whole or in part, as well as to each U.S. and foreign patent application and patent from which the Patents claim priority, in whole or in part;
- (2) The entire right, title and interest to any United States or foreign patents that may issue with respect to the inventions described or claimed in the Patents;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions of the Patents, and all foreign applications based thereon;
- (4) The right to apply for patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise; and
- (5) The right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made; together with all claims by Assignor for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

Assignor further agrees for himself and for his successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

Assignor hereby authorizes and requests the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Date: 22<sup>nd</sup> January 2010

Peter Herbert North

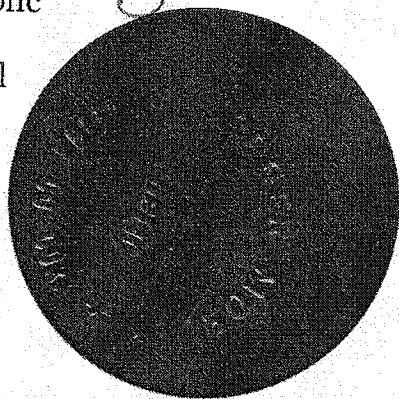
Peter Herbert North

Subscribed to and sworn to before me this 22<sup>nd</sup> day of January 2010.

Roger Morley

Notary Public

Notary Seal



**SCHEDULE 1**

<b>Attorney Docket No.</b>	<b>Country</b>	<b>Application No.</b>	<b>Filing Date</b>	<b>Title</b>
59553.2.2	US	61/246,721	9/29/2009	METHOD AND SYSTEM FOR FRACTIONATION OF LIGNOCELLULOSIC BIOMASS
59553.2.2.1	US	12/893,429	9/29/2010	METHOD AND SYSTEM FOR FRACTIONATION OF LIGNOCELLULOSIC BIOMASS
59553.2.2.2	WO	PCT/IB2010/002591	9/29/2010	METHOD AND SYSTEM FOR FRACTIONATION OF LIGNOCELLULOSIC BIOMASS

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