

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2844961

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>THOMAS PIELHOP</td><td>04/17/2014</td></tr><tr><td>MICHAEL HANS-PETER STUDER</td><td>04/23/2014</td></tr><tr><td>PHILIPP RUDOLF VON ROHR</td><td>04/17/2014</td></tr></tbody></table>	Name	Execution Date	THOMAS PIELHOP	04/17/2014	MICHAEL HANS-PETER STUDER	04/23/2014	PHILIPP RUDOLF VON ROHR	04/17/2014	
Name	Execution Date								
THOMAS PIELHOP	04/17/2014								
MICHAEL HANS-PETER STUDER	04/23/2014								
PHILIPP RUDOLF VON ROHR	04/17/2014								
RECEIVING PARTY DATA									
Name:	ETH ZURICH								
Street Address:	RAEMISTRASSE 101 / ETH TRANSFER								
City:	ZURICH								
State/Country:	SWITZERLAND								
Postal Code:	CH-8092								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14356625</td></tr></tbody></table>	Property Type	Number	Application Number:	14356625					
Property Type	Number								
Application Number:	14356625								
CORRESPONDENCE DATA									
Fax Number:	(412)945-5933								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Phone:	412-471-8815								
Email:	assignments@webblaw.com								
Correspondent Name:	THE WEBB LAW FIRM, P.C.								
Address Line 1:	ONE GATEWAY CENTER								
Address Line 2:	420 FT. DUQUESNE BLVD, SUITE 1200								
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222								
ATTORNEY DOCKET NUMBER:	4385-143246								
NAME OF SUBMITTER:	RICHARD L. BYRNE								
SIGNATURE:	/richard l byrne/								
DATE SIGNED:	05/07/2014								
Total Attachments: 5 source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif source=assignment#page4.tif									

PATENT

502798365

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
Thomas PIELHOP
Michael Hans-Peter STUDER
Philipp RUDOLF VON ROHR
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: ETH ZURICH
Internal Address: _____
Street Address: Raemistrasse 101 / ETH transfer
City: Zurich
State: _____
Country: SWITZERLAND Zip: CH-8092
Additional name(s) & address(es) attached? Yes No

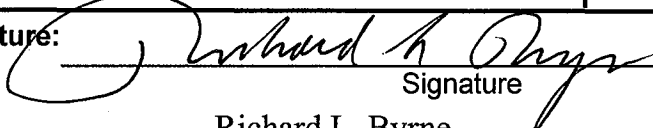
3. Nature of conveyance/Execution Date(s):
Execution Date(s) 04/17/2014; 04/23/2014
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
14/356,625
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Richard L. Byrne
Internal Address: The Webb Law Firm
Street Address: One Gateway Center
420 Ft. Duquesne Blvd., Ste 1200
City: Pittsburgh
State: PA Zip: 15222
Phone Number: 412-471-8815
Fax Number: 412-945-5933
Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers 1916
Expiration Date 05/2015
b. Deposit Account Number 23-0650
Authorized User Name _____

9. Signature:  May 7, 2014
Signature Date
Richard L. Byrne
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

**USE OF CARBONIUM ION SCAVENGERS IN THE TREATMENT OF
LIGNOCELLULOSIC BIOMASS**

(Invention Title)

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on 11/05/2012 (mm/dd/yyyy), bearing Application No. PCT/EP2012/004599 (hereinafter "said application").

AND, WHEREAS, **ETH Zurich**, a corporation of **Switzerland**, having a place of business at **Raemistrasse 101 / ETH transfer, CH-8092 Zurich, Switzerland**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 14/356,625, filed 11/05/2012) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

M.F.
04/23/14

INTERNATIONAL

Application No. _____

Attorney Docket No. 4385-143246

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

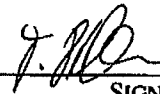
1. FULL NAME OF ASSIGNOR:

RESIDENCE:

Thomas PIELHOP

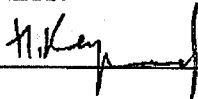
Zurich, Switzerland

EXECUTED this 17 day of April, 2014



SIGNATURE

WITNESS:



2. FULL NAME OF ASSIGNOR:

RESIDENCE:

Michael Hans-Peter STUDER

Aetingen, Switzerland

EXECUTED this ____ day of _____, 2014

SIGNATURE

WITNESS:

Checked Box indicates 1 additional page(s) for inventor signatures.

Application No. _____

Attorney Docket No. 4385-143246

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

Thomas PIELHOP

RESIDENCE:

Zurich, Switzerland

EXECUTED this _____ day of _____, 2014

SIGNATURE

WITNESS:

2. FULL NAME OF ASSIGNOR:

Michael Hans-Peter STUDER

RESIDENCE:

Aetingen, Switzerland

EXECUTED this 23 day of April, 2014


SIGNATURE

WITNESS:



Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL

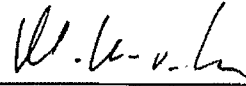
Application No. _____

Attorney Docket No. 4385-143246

3. FULL NAME OF ASSIGNOR:
Philipp RUDOLF VON ROHR

RESIDENCE:
Muttenz, Switzerland

EXECUTED this 17 day of April, 2014



SIGNATURE

WITNESS:

y. glluz