

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Douglas C. Elliott	02/25/2013
RECEIVING PARTY DATA	
Name:	Battelle Memorial Institute
Street Address:	P.O. Box 999
City:	Richland
State/Country:	WASHINGTON
Postal Code:	99352
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	13541003
Application Number:	12339876
PCT Number:	US0930099
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ATTORNEY DOCKET NUMBER:	17184-E
NAME OF SUBMITTER:	Allan C. Tuan
Total Attachments: 3 source=Assignment 17184E 2.25.13#page1.tif source=Assignment 17184E 2.25.13#page2.tif source=Assignment 17184E 2.25.13#page3.tif	

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## ASSIGNMENT OF PATENT RIGHTS

Douglas C. Elliott

To  
Battelle Memorial Institute

WHEREAS, I, Douglas C. Elliott of Richland, County of Benton, State of Washington, hereinafter INVENTORS, have made certain inventions related to, **Methods for Sulfate Removal in Liquid-Phase Catalytic Hydrothermal Gasification of Biomass**, including those, described and claimed in various disclosures including:

U.S. Patent Application No. 13/541,003, filed July 3, 2012 Entitled: Methods for Sulfate Removal in Liquid-Phase Catalytic Hydrothermal Gasification of Biomass

U.S. Patent Application No. 12/339,876, filed December 19, 2008 Entitled: Methods and Apparatus for Catalytic Hydrothermal Gasification of Biomass

PCT Application No. PCT/US09/30099, filed January 5, 2009 Entitled: Methods and Apparatus for Catalytic Hydrothermal Gasification of Biomass

For which we are about to make application for Letters Patent of the United States; collectively referred to hereinafter as INVENTIONS;

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring all right, title, and interest in the said INVENTIONS and in all patents or patent applications sought or obtained therefor;

NOW, THEREFORE, be it known to all those who may be concerned, that for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, We the INVENTORS have each sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the INVENTIONS shown, described, or claimed herein, and the full and exclusive right, title, and interest to any and all patents and patent applications that show, describe or claim said INVENTIONS including but not limited to those applications referenced herein, and in and to any extensions, continuations, including continuations in part, reissues, divisions, or renewals thereof; and We each do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of my entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

We each further covenant and agree that we each will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; and that each of us will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions (including continuations or continuations in part applications), or any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

