

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5748725

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BARRY A. FREEL	02/09/2017
JOSH NORMAND	02/07/2017
TIMOTHY A. BRANDVOLD	03/30/2017
STANLEY J. FREY	03/19/2017
DOUG CLARKE	02/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ENSYN RENEWABLES, INC.
<b>Street Address:</b>	701 FOULK ROAD, SUITE 2H
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19803
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16517245
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)626-1700
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	212-326-3939
<b>Email:</b>	kmhutchison@jonesday.com
<b>Correspondent Name:</b>	JONES DAY
<b>Address Line 1:</b>	250 VESEY STREET
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10281-1047
<b>ATTORNEY DOCKET NUMBER:</b>	013303-0052-999
<b>NAME OF SUBMITTER:</b>	PAUL L. SHARER
<b>SIGNATURE:</b>	/Paul L Sharer/
<b>DATE SIGNED:</b>	10/01/2019
<b>Total Attachments: 4</b>	
source=16517245Assignment#page1.tif	

source=16517245Assignment#page2.tif

source=16517245Assignment#page3.tif

source=16517245Assignment#page4.tif

Please return signed/recorded to:  
Jones Day  
Intellectual Property Group  
51 Louisiana Avenue, N.W.  
Washington, D.C. 20001-2113

Attorney Reference: 013303-0045-888  
Client Reference: ENR-045/USP

### ASSIGNMENT OF PROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Barry A. Freel	(2) Josh Normand
	(3) Timothy A. Brandvold	<input checked="" type="checkbox"/> x box if continued on page 2

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF INVENTION	Demetalization of Liquid Biomass
-----------------------	----------------------------------

for which a provisional application for Letters Patents of the United States of America:

(A) ☐ was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or  
(B) ☒ was filed on December 29, 2016 as Application No. 62/440,252

AND WHEREAS,

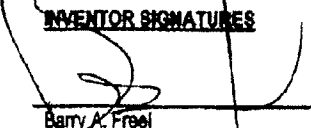
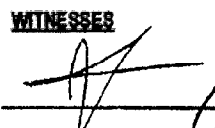
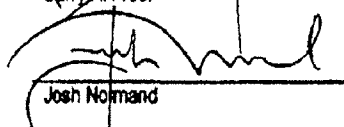
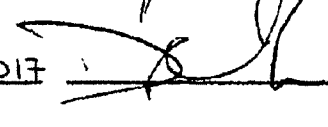

INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	Ensyn Renewables, Inc.
	1521 Concord Pike, Suite 205A
	Brandywine Plaza, West Bldg.
	Wilmington, Delaware 19803-3645

(hereinafter "ASSIGNEE"), desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid provisional application, and to the said provisional application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we hereunto set our respective signatures on the day and year set forth below.

INVENTOR SIGNATURES	DATE SIGNED	WITNESSES
1)  Name: Barry A. Freel	Feb. 9, 2017	
2)  Name: Josh Normand	Feb 07, 2017	
3)  Name: Timothy A. Brandvold		

PATENT  
REEL: 045593 FRAME: 0781

PATENT  
REEL: 050589 FRAME: 0922

Attorney Reference: 013303-0045-888  
Client Reference: ENR-045/USP

**ASSIGNMENT OF PROVISIONAL APPLICATION**  
Separate Sheet For Additional Inventors (page 2 of 2)

INSERT  
NAME(S) OF  
ADDITIONAL  
INVENTOR(S)

(4) Stanley J. Frey	(5) Doug Clarke
(6)	(7)
(8)	(9)
(10)	

Assignee as named on previous page: Ensyn Renewables, Inc.

Invention entitled: Demetallization of Liquid Biomass

**INVENTOR SIGNATURES**

**DATE SIGNED**

**WITNESSES**

4) Name: Stanley J. Frey	March 19, 2018	Dail Dreen
5) Name: Doug Clarke	FEB 09, 2017	P. M. J. J. J.
6) Name: _____	_____	_____
7) Name: _____	_____	_____
8) Name: _____	_____	_____
9) Name: _____	_____	_____
10) Name: _____	_____	_____

**PATENT**  
REEL: 045593 FRAME: 0782

**PATENT**  
REEL: 050589 FRAME: 0923

Please return signed/recorded to:  
Jones Day  
Intellectual Property Group  
51 Louisiana Avenue, N.W.  
Washington, D.C. 20001-2113

Attorney Reference: 013303-0045-888  
Client Reference: ENR-045/USP

### ASSIGNMENT OF PROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Barry A. Freel	(2) Josh Normand
	(3) Timothy A. Brandvold	<input checked="" type="checkbox"/> x box if continued on page 2

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF INVENTION	Demetallization of Liquid Biomass
-----------------------	-----------------------------------

for which a provisional application for Letters Patents of the United States of America:

- (A) ☐ was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or  
(B) ☒ was filed on December 29, 2016 as Application No. 62/440,252

AND WHEREAS,



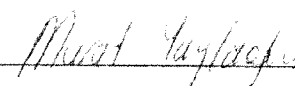
INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	Ensyn Renewables, Inc.
	1521 Concord Pike, Suite 205A
	Brandywine Plaza, West Bldg.
	Wilmington, Delaware 19803-3645

(hereinafter "ASSIGNEE"), desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid provisional application, and to the said provisional application and all applications claiming priority thereto under 35 U.S.C. §119(e) and to all continuations, divisions, and renewals thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications for all forms of industrial property protection and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the international Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and additionally, the undersigned further authorize(s) Jones Day, 51 Louisiana Avenue, N.W., Washington, D.C. 20001, to insert hereon any further identification necessary or desirable for recordation of this document.

IN TESTIMONY WHEREOF, we hereunto set our respective signatures on the day and year set forth below.

	<u>INVENTOR SIGNATURES</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1)			
Name:	Barry A. Freel		
2)			
Name:	Josh Normand		
3)			
Name:	Timothy A. Brandvold		

**PATENT**  
**REEL: 045593 FRAME: 0783**

**PATENT**  
**REEL: 050589 FRAME: 0924**

**ASSIGNMENT OF PROVISIONAL APPLICATION**  
Separate Sheet For Additional Inventors (page 2 of 2)

INSERT NAME(S) OF ADDITIONAL INVENTOR(S)	(4) Stanley J. Frey	(5) Doug Clarke
	(6)	(7)
	(8)	(9)
	(10)	

Assignee as named on previous page: Ensyn Renewables, Inc.

Invention entitled: Demetallization of Liquid Biomass

	<u>INVENTOR SIGNATURES</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
4) Name:	Stanley J. Frey		
5) Name:	Doug Clarke		
6) Name:			
7) Name:			
8) Name:			
9) Name:			
10) Name:			

RECORDED: 04/19/2018

**PATENT**  
REEL: 045593 FRAME: 0784

RECORDED: 10/01/2019

**PATENT**  
REEL: 050589 FRAME: 0925