

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4982698

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
SWEETWATER ENERGY, INC.		05/30/2018
RECEIVING PARTY DATA		
Name:	CORNERSTONE COLLATERAL CORP.	
Street Address:	34 BROWNS RACE	
City:	ROCHESTER	
State/Country:	NEW YORK	
Postal Code:	14614	
PROPERTY NUMBERS Total: 19		
Property Type	Number	
Application Number:	62585510	
Application Number:	15932340	
Application Number:	62460037	
Application Number:	15430370	
Application Number:	62293464	
Application Number:	15709335	
Application Number:	62396740	
Application Number:	62396562	
Application Number:	62219508	
Application Number:	15267617	
Application Number:	62219476	
Application Number:	14971481	
PCT Number:	US2018000047	
PCT Number:	US2017052315	
PCT Number:	US2016052143	
PCT Number:	US2015064850	
Patent Number:	9809867	
Application Number:	14713906	
PCT Number:	US2015031146	

CORRESPONDENCE DATA**Fax Number:**

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.

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NAME OF SUBMITTER:	KATHERINE H. MCGUIRE, ESQ.
SIGNATURE:	/Katherine H. McGuire/
DATE SIGNED:	05/30/2018

Total Attachments: 3

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ADDENDUM TO IP SECURITY AGREEMENT

This Addendum to Intellectual Property Security Agreement dated May 30, 2018, is an addendum to that certain Intellectual Property Security Agreement (the "IPSA") dated January 15, 2015 (the "IPSA Effective Date") by and between Sweetwater Energy, Inc. a Delaware corporation (the "Company") and Cornerstone Collateral Corp., a New York corporation (the "Secured Lender").

The Company hereby represents and warrants that any and all patents, patent applications, copyrights, trademarks and like protections, including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, that the Company has acquired a right, title and interest in, to and under, since the IPSA Effective Date are hereby included on Exhibit A attached hereto. The Company consents to Exhibit A being added to the IPSA.

IN WITNESS WHEREOF, the Company has executed this Addendum by its duly authorized representative as of the date first above written.

SWEETWATER ENERGY, INC.

By: 

Name: Algimantas Chesonis

Title: Chief Administrative Officer

Exhibit A

CONFIDENTIAL SWEETWATER PENDING/ALLOWED/ISSUED PATENTS

FAMILY	COUNTRY	FILING DATE APPLICATION	STATUS	PT NUMBER	TYPE
METHOD AND SYSTEM FOR PRODUCING ETHANOL	United States	##### 60/851,424	Expired		Utility: Provisional
	United States	##### 11/974,129	Issued	8,323,923	Utility: Non-Provisional
	United States	10/5/2012 13/646,425	Issued	8,426,161	Utility: Non-Provisional
	United States	3/11/2013 13/793,860	Expired		Utility: Non-Provisional
	United States	10/9/2013 14/050,244	Issued	9,499,635	Utility: Non-Provisional
ENSLING BIOMASS FOR BIOFUELS PRODUCTION AND MULTIPLE PHASE APPARATUS FOR HYDROLYZATION OF ENSILED BIOMASS	United States	##### 15/293,478	Expired		Utility: Non-Provisional
	United States	12/9/2008 61/201,205	Expired		Utility: Provisional
	United States	12/8/2009 13/633,555	Issued	8,529,765	Utility: Non-Provisional
	United States	8/27/2013 13/947,368	Expired		Utility: Non-Provisional
	WIPO	12/8/2009 PCT/US09/67221	Expired		Utility: PCT
PRECURSOR HYDROLYZATE ADDITIVES	Canada	4/12/2012 2,781,862	Issued	2,781,862	Utility: Non-Provisional
	United States	9/26/2010 61/386,547	Expired		Utility: Provisional
	United States	3/9/2011 61/451,095	Expired		Utility: Provisional
	United States	2/10/2012 61/597,347	Expired		Utility: Provisional
	United States	##### 13/731,633	Issued	8,765,430	Utility: Non-Provisional
METHODS AND PRODUCTS FOR ENHANCING FERMENTATION OF STARCH- AND SUGAR-BASED FEEDSTOCKS	United States	4/16/2014 14/254,441	Pending		Utility: Non-Provisional
	WIPO	2/8/2013 PCT/US13/25457	Pending		Utility: PCT
	Australia	2/8/2013 2013216823	Issued	2013216823	Utility: Utility
	Brazil	2/8/2013 BR112014019356-8	Pending		Utility: Utility
	Canada	2/8/2013 2,864,144	Pending		Utility: Utility
ENHANCED FERMENTATION FROM PRETREATMENT PRODUCTS	Europe	2/8/2013 13747,149.6	Pending		Utility: Utility
	New Zealand	2/8/2013 628790	Issued	628790	Utility: Utility
	South Africa	2/8/2013 2014/06243	Pending		Utility: Utility
	United States	3/26/2012 61/615,588	Expired		Utility: Provisional
	United States	3/15/2013 13/842,941	Expired		Utility: Non-Provisional
REDUCED ENZYME LOADS FOR SACCCHARIFICATION	WIPO	3/19/2013 PCT/US13/32955	Expired		Utility: PCT
	United States	4/13/2012 61/623,881	Expired		Utility: Provisional
	United States	##### 13/686,477	Issued	8,563,277	Utility: Non-Provisional
	United States	4/13/2012 61/623,907	Expired		Utility: Provisional
	United States	##### 13/724,763	Abandoned		Utility: Non-Provisional
REDUCED ENZYME LOADS FOR FERMENTATION	United States	7/24/2014 14/340,179	Pending		Utility: Non-Provisional
	WIPO	4/12/2013 PCT/US13/36497	Expired		Utility: PCT
	Australia	4/12/2013 201345693	Issued	201324569382	Utility: Utility
	Brazil	4/12/2013 BR112014025403-6	Pending		Utility: Utility
	Canada	4/12/2013 2,869,761	Pending		Utility: Utility
ENHANCEMENT OF ETHANOL FERMENTATION BY YEAST METHODS AND COMPOSITIONS FOR PRODUCING SUGAR STREAMS	Europe	4/12/2013 13775895.9	Allowed		Utility: Utility
	New Zealand	4/12/2013 629802	Issued	629802	Utility: Utility
	South Africa	4/12/2013 2014/07271	Pending		Utility: Utility
	United States	5/17/2012 61/648,567	Expired		Utility: Provisional
	United States	6/20/2012 61/662,339	Expired		Utility: Provisional
PRESENTATION OF BIOMASS FOR PRETREATMENT	United States	6/29/2012 61/666,777	Expired		Utility: Provisional
	United States	6/28/2013 13/931,303	Expired		Utility: Non-Provisional
	United States	8/9/2012 61/681,413	Expired		Utility: Provisional
	WIPO	8/9/2013 PCT/US13/54411	Expired		Utility: PCT
	United States	10/9/2012 61/711,588	Expired		Utility: Provisional
OPTIMIZED PRETREATMENT OF BIOMASS	United States	##### 61/747,753	Expired		Utility: Provisional
	United States	##### 14/140,880	Expired		Utility: Non-Provisional
INTEGRATED WOOD PROCESSING AND SUGAR PRODUCTION	United States	8/9/2012 61/681,413	Expired		Utility: Provisional
	WIPO	8/9/2013 PCT/US13/54411	Expired		Utility: PCT
	United States	10/9/2012 61/711,588	Expired		Utility: Provisional
	United States	##### 61/747,753	Expired		Utility: Provisional
	United States	##### 14/140,880	Expired		Utility: Non-Provisional

CARBON PURIFICATION OF CONCENTRATED SUGAR STREAMS DERIVED FROM PRETREATED BIOMASS	United States	3/15/2013	61/800,001	Expired	Utility: Provisional	
	WIPO	3/14/2014	PCT/US14/27850	Expired	Utility: PCT	
	United States	9/14/2015	14/776,411	Issued	Utility: Non-Provisional	
	Canada	9/14/2015	2,906,917	Expired	Utility	
INCREASED PRODUCTIVITY DURING FERMENTATION	United States	4/9/2013	61/810,234	Expired	Utility: Provisional	
	WIPO	4/9/2014	PCT/US14/33567	Expired	Utility: PCT	
SUGAR SEPARATION AND PURIFICATION FROM BIOMASS	United States	5/24/2013	61/827,231	Expired	Utility: Provisional	
	United States	5/23/2015	PCT/US14/039399	Expired	Utility: PCT	
DESIGNING PRODUCTS FROM PLANT CELL CULTURES	United States	#####	61/903,785	Expired	Utility: Provisional	
	United States	#####	62/079,797	Expired	Utility: Provisional	
SUGAR SEPARATION AND PURIFICATION THROUGH FILTRATION	United States	5/17/2014	61/994,840	Expired	Utility: Provisional	
	United States	5/15/2015	14/713,906	Expired	Utility: Non-Provisional	
	WIPO	5/15/2015	PCT/US15/31146	Expired	Utility: PCT	
	United States	12/9/2014	62/089,704	Expired	Utility: Provisional	
RAPID PRETREATMENT	WIPO	12/9/2015	PCT/US15/64850	Pending	Utility: PCT	
	United States	#####	14/971,481	Pending	Utility: Non-Provisional	
	Australia	12/9/2015	2015360513	Pending	Utility	
	Brazil	12/9/2015	1120170123649	Pending	Utility	
	Canada	12/9/2015	2,969,840	Pending	Utility	
	China	12/9/2015	201580075676X	Pending	Utility	
	Europe	12/9/2015	15866602,4	Pending	Utility	
	Mexico	12/9/2015	MX/a/2017/007631	Pending	Utility	
	India	12/9/2015	201717020354	Pending	Utility	
	SPECIALIZED ACTIVATED CARBON DERIVED FROM PRETREATED BIOMASS	United States	9/16/2015	62/219,476	Expired	Utility: Provisional
WIPO		9/16/2016	PCT/US16/52143	Pending	Utility: PCT	
United States		9/16/2016	15/709,335	Pending	Utility: Non-Provisional	
Canada		9/16/2016	2,998,637	Pending	Utility	
PROCESS FOR PRODUCING ACTIVATED CARBON WITH AN EXTRUDER	China	9/16/2016	201680056820X	Pending	Utility	
	Europe	9/16/2016	16847388,2	Pending	Utility	
	India	9/16/2016		Pending	Utility	
	Japan	9/16/2016		Pending	Utility	
IMPROVED FOAMS AND FILMS USING SPECIALIZED LIGNIN	United States	9/16/2015	62/219,508	Expired	Utility: Provisional	
	United States	9/19/2016	62/396,562	Expired	Utility: Provisional	
IMPROVED STARCH FOAMS USING SPECIALIZED LIGNIN	United States	9/19/2016	62/396,740	Expired	Utility: Provisional	
	United States	9/19/2017	15/709,335	Pending	Utility: Non-Provisional	
	WIPO	9/19/2017	PCT/US17/52315	Pending	Utility: PCT	
HIGH PRESSURE ZONE FORMATION FOR PRETREATMENT	United States	2/10/2016	62/293,464	Expired	Utility: Provisional	
	United States	2/10/2017	15/430,370	Pending	Utility: Non-Provisional	
METHODS OF MAKING SPECIALIZED CELLULOSE AND OTHER PRODUCTS FROM BIOMASS	United States	2/16/2017	62/460,037	Expired	Utility: Provisional	
	United States	2/16/2018	15/932,340	Pending	Utility: Non-Provisional	
	WIPO	2/16/2018	PCT/US18/000047	Pending	Utility: PCT	
SWEETWATER PENDING/ALLOWED/REGISTERED TRADEMARKS	United States	#####	62/585,510	Pending	Utility: Provisional	
	CTM (Europe)	1, 4, 40, 42	11/6/2013	12283891	4/1/2014 12283891	Registered
	United States	1, 4, 40, 42	3/29/2012	85583482	1/20/2015 4675690	Registered
	United States	1, 4	6/12/2012	85983249	##### 4664469	Registered
	United States	40, 42	6/12/2012	85649309	1/20/2015 4675724	Registered
	United States	1, 4, 40, 42	6/12/2012	85649318	##### 4660009	Registered
	New York	1	4/13/2017	R33004	4/18/2017 R33004	Registered
	New York	1	5/22/2017	R33022	5/25/2017 R33022	Registered
	United States	1	4/13/2017	R33004	4/18/2017 R33004	Registered
	United States	1	5/22/2017	R33022	5/25/2017 R33022	Registered
	United States	1	4/13/2017	R33004	4/18/2017 R33004	Registered
	United States	1	5/22/2017	R33022	5/25/2017 R33022	Registered
	United States	1	4/13/2017	R33004	4/18/2017 R33004	Registered
	United States	1	5/22/2017	R33022	5/25/2017 R33022	Registered
	United States	1	4/13/2017	R33004	4/18/2017 R33004	Registered
	United States	1	5/22/2017	R33022	5/25/2017 R33022	Registered