503704758 02/23/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARSHALL MEDOFF	12/04/2015
THOMAS CRAIG MASTERMAN	12/04/2015
ROBERT PARADIS	12/04/2015
KENNY KIN-CHUI IP	12/15/2015

RECEIVING PARTY DATA

Name:	XYLECO, INC.	
Street Address:	360 AUDUBON ROAD	
City:	WAKEFIELD	
State/Country:	MASSACHUSETTS	
Postal Code:	01880	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14434682

CORRESPONDENCE DATA

Fax Number: (617)526-5000

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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Email: WHIPDocketStaff@wilmerhale.com

Correspondent Name: WILMERHALE **60 STATE STREET** Address Line 1:

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ATTORNEY DOCKET NUMBER:	2209787.129 US2
NAME OF SUBMITTER:	MICHAEL E. CONNORS
SIGNATURE:	/Michael E. Connors/
DATE SIGNED:	02/23/2016

Total Attachments: 6

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PATENT REEL: 037799 FRAME: 0721

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Attorney Docket No.: 2209787.00129US2

ASSIGNMENT

WHEREAS, the undersigned, to wit:

Marshall MEDOFF residing at 90 Addington Road, Brookline, Massachusetts 02445; Thomas Craig MASTERMAN residing at 6 Marshall Street, Rockport, Massachusetts 01966:

Robert PARADIS residing at 32 Burlington Mall Road, Burlington, Massachusetts 01803;

Kenny, Kin-Chui IP residing at 34237 Kenwood Drive, Fremont, California 94555

(hereinafter collectively ASSIGNORS), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"TREATING BIOMASS"

(a)	which	is being filed here	with in the United States Patent an	d Trademark Office;
(b)	x which	was filed as U.S. F	atent Application No.	14/434,682
	on	April 9, 2015	designating the United States;	

AND WHEREAS, Xyleco, Inc. (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the Commonwealth Massachusetts, and having its principal place of business at 360 Audubon Road, Wakefield, Massachusetts 01880, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

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ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

XYLECO, INC.

All practitioners at Customer Number 130488.

This ASSIGNMENT is effective as of April 9, 2015

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 4th day of Docembo. 2015
Sign: About Mady Name: Marshall Medoff ASSIGNOR
Date: December 4, 2015
United States of America State of Massachu Setts ss.: County of Middle Sex
On this day of Decombon, 2015, before me personally came Marshall Medoff, to me known to described in and who executed the foregoing instrument, and acknowledged execution of the same.
Notary Public Paralegal
RENEE P. GRANITO Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires December 17, 2021

IN WITNESS WHEREOF, I have hereunto set my hand and seathlis 4th day of
December. 2015
Sign: //
Name: Thomas Craig Masterman
AS\$IGNOR
Date: December 4 2015
United States of America)
State of Malsachusetts ss.:
County of Middle Sex
On this 4th day of <u>December</u> , 2015, before me
personally came Thomas Craig Masterman, to me known to
described in and who executed the foregoing instrument, and acknowledged execution
of the same.
2 (H. 5)
Notary Public Paralegal
, and the second
A RENEE P. GRANITO
Notary Public Consumment of MASSACHUSETTS
My Commission Expires December 17, 2021

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 4th day of
December, 2015
Sign: Rut Paeds
Name: Robert Paradis
ASSIGNOR
Date: December 4 2015
United States of America
State of Massachusetts ss.:
County of Midelle Se x
On this 4 th day of De Cember, 2015, before me personally came Robert Paradis, to me known to
described in and who executed the foregoing instrument, and acknowledged execution
of the same.
Resue P. Duro Notary Public Paralesal
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RENEE P. GRANITO Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires December 17, 2021

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 th day of Document, 2015.
Sign:
Name: Kenny, Kin-Chui Ip ASSIGNOR
Date: Documber 15, 2015
United States of America State of County of Musachusells Michieles Setting Michieles Setting Michieles Mich
On this 15th day of December, 2015, before me personally came Kenny, Kin-Chui Ip, to me known to described in and who executed the foregoing instrument, and acknowledged execution
of the same. Notary-Public
RENEE P. GRANITO Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires December 17, 2021