

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LESLIE BROMBERG	05/30/2019
DANIEL R. COHN	05/28/2019
JOHN B. HEYWOOD	05/26/2019

RECEIVING PARTY DATA

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16170648

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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ATTORNEY DOCKET NUMBER:	101328-468
NAME OF SUBMITTER:	RORY P. PHEIFFER
SIGNATURE:	/Rory P. Pheiffer/
DATE SIGNED:	05/31/2019

Total Attachments: 15

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned Daniel R. Cohn of 100 Memorial Drive, Apartment 11-22B, Cambridge, MA 02412, Leslie Bromberg of 176 Wilshire Drive, Sharon MA 02067-1562, and John B. Heywood of 218 Mill Street, Newtonville, MA 02460-2444 hereby

Sells, assigns and transfers to Massachusetts Institute of Technology, having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, his/her entire right, title and interest for the United States and all foreign countries: in and to any and all inventions which are disclosed in the application for United States Letters Patent "FUEL MANAGEMENT SYSTEM FOR VARIABLE ETHANOL OCTANE ENHANCEMENT OF GASOLINE ENGINES", filed on October 25, 2018 and given serial number 16/170,648 (Attorney Docket No.: 101328-468) in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all right to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing substitute, renewal, reissue, reexamination and all other patent application on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers: by communicating to said ASSIGNEE all facts known to him/her relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common

agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Director of the United States Patent and Trademark Office and non-U.S. patent authorities to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by him/her, and that full right to convey the same as herein expressed is possessed by him/her.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date:

Inventor: Daniel R. Cohn

Address: 100 Memorial Drive
Apartment 1122B
Cambridge, MA 02412

Citizenship: United States of America

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

5/30/2019

Date:

Leslie Bromberg

Inventor: Leslie Bromberg

Address: 176 Wilshire Drive
Sharon, MA 02067

Citizenship: United States of America

Witness Name Makoto Takayasu

Date 5/30/2019 Witness Signature Makoto Takayasu

Witness Address: MIT. PSFC, NW22-109 Cambridge, MA

Witness Name Alexey Radovinsky

Date 5-30-2019 Witness Signature A. Radovinsky

Witness Address: 20 Chestnut St. #502, Cambridge, MA

Date:

Inventor: John B. Heywood

Address: 218 Mill St.
Newtonville, MA 02460

Citizenship: United States of America

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

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Date _____ Witness Signature _____

Witness Address: _____
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May 28, 2019

Date:

Daniel R. Cohn

Inventor: Daniel R. Cohn

Address: 100 Memorial Drive
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Witness Name THOMAS P. COPLEY

Date 5/28/19 Witness Signature Thomas P. Copley

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Witness Name RONALD C. YOUNG

Date 28-MAY-2019 Witness Signature Ronald C. Young

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Date:

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Sharon, MA 02067

Citizenship: United States of America

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Date:

Inventor: John B. Heywood

Address: 218 Mill St.
Newtonville, MA 02460

Citizenship: United States of America

Witness Name _____

Date _____ Witness Signature _____

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Date:

Inventor:

Daniel R. Cohn

Address:

100 Memorial Drive
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Citizenship:

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Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Date:

Inventor: Leslie Bromberg

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Citizenship: United States of America

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

Witness Name _____

Date _____ Witness Signature _____

Witness Address: _____

May 26 2019

Date:

John B. Heywood

Inventor: John B. Heywood

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Citizenship: United States of America

Witness Name Robert D. Loomis

Date May 26, 2019 Witness Signature [Signature]

Witness Address: 34 Slade St, Belmont MA 02478

Witness Name Hannah Loomis

Date 5/26/19 Witness Signature [Signature]

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