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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,807	06/07/2023	Mark J. Sarder	CET1090.103	7935

26629 7590 02/20/2024
ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

EXAMINER

HASAN, SYED O

ART UNIT	PAPER NUMBER
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3747

NOTIFICATION DATE	DELIVERY MODE
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02/20/2024

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

info@zpatents.com
jmf@zpatents.com
lje@zpatents.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/330,807	20-Feb-2024	11905896

ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at <https://patentcenter.uspto.gov>

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit <https://www.uspto.gov/electronicgrants>



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,807	02/20/2024	11905896	CET1090.103	7935

26629 7590 01/31/2024
ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at <https://patentcenter.uspto.gov/>. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at <https://certifiedcopycenter.uspto.gov/index.html>. The Certified Copy Center may be reached at (800)972-6382.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Center (<https://patentcenter.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional inventors):

Mark J. Sarder, Waukesha, WI;
Leigh Jenison, Hartland, WI;
Ian Schmit, Cedarburg, WI;

APPLICANT(s) (Please see PATENT CENTER site <https://patentcenter.uspto.gov> for additional applicants):

Champion Power Equipment, Inc., Santa Fe Springs, CA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
18/330,807RECEIPT DATE / TIME
01/08/2024 10:30:37 AM Z ETATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 63867224

FILING DATE 06/07/2023

CUSTOMER # 26629

FIRST NAMED INVENTOR Mark J. Sarder

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Timothy Ziolkowski

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2024.01.08 Issue Fee.pdf	1	Issue Fee Payment (PTO-85B)	198 KB
2024.01.08 Comments on Reasons.pdf	2	Miscellaneous Incoming Letter	127 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2024.01.08 Issue Fee.pdf	EFAB5C05DE63A4581F48C953C30D2FEE141BF074046E0A3CA 6C157BEFD4D7B29A948145429017B2E4AFF2987573256AE84F 209629AB0C9199CBA138F5500348E

2024.01.08 Comments on
Reasons.pdf

C7A483C710219A77578991F151AFA3CE6EAC77A41E84DBBBE
B3E45806940404EE9C99560D839E62DAF85AA5AF8B07AA1F3
7AE575440EA90872483C91B85135CE

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/330,807RECEIPT DATE / TIME
01/08/2024 10:30:37 AM Z ETATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 63867224

AUTHORIZED BY Timothy Ziolkowski

CUSTOMER # 26629

FILING DATE 06/07/2023

CORRESPONDENCE
ADDRESS -FIRST NAMED
INVENTOR Mark J. Sarder

Payment Information

PAYMENT METHOD
CARD / 8631PAYMENT TRANSACTION ID
E202418A32488886PAYMENT AUTHORIZED BY
Robyn Templin

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	480.00	1	480.00
TOTAL AMOUNT:				\$480.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

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Petitioner Ex 1002 007

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Customer No. 26629
Confirmation No. 7935

Patent
Attorney Docket No. CET1090.103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Sarder et al.
Serial No. : 18/330,807
Filed : 6/7/2023
For : DUAL FUEL SELECTOR SWITCH
Group Art No. : 3747
Examiner : Syed O. Hasan

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

I hereby certify that, on the date shown below, this correspondence is being:

Mailing

- ☐ deposited with the US Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

37 CFR 1.8(a)

37 CFR 1.10

- ☐ with sufficient postage as first class mail ☐ As "Express Mail Post Office to Addressee" Mailing Label No.

Transmission

- ☐ transmitted by facsimile to Fax No.: 571-273-8300 addressed to Examiner Syed O. Hasan at the Patent and Trademark Office.
☒ transmitted by EFS-WEB addressed to Examiner Syed O. Hasan at the Patent and Trademark Office.

Date: January 8, 2024

/Robyn L. Templin/
Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**COMMENTS ON STATEMENT
OF REASONS FOR ALLOWANCE**

Dear Examiner Hasan:

Responsive to the Notice of Allowability mailed December 15, 2023, Applicant submits the following remarks responsive to the Examiner's Statement of Reasons for Allowance.

REMARKS

In response to the Examiner's Reasons for Allowance, Applicant notes that the patentability of claims 1-38 cannot be tied to the patentability of the claims in any "previous parent patents." Instead, the patentability of claims 1-38 lies in each claim as a whole. That is, a single particular element or feature of a claim does not define the claim's patentability, but rather, it is the combination of elements and the interconnection therebetween that define the invention. The claims cannot be considered to be limited in scope based on this brief statement by the Examiner.

Applicant does not acquiesce to the accuracy of the Examiner's statements in the Reasons for Allowance nor the Examiner's partial paraphrasing of the claim elements.

Entry of these remarks is appreciated and Applicant cordially invites the Examiner to respond, should the Examiner disagree.

Respectfully submitted,

/Timothy J. Ziolkowski/

Timothy J. Ziolkowski
Registration No. 38,368
Direct Dial 262-268-8181
tjz@zpspatents.com

Dated: January 8, 2024
Attorney Docket No.: CET1090.103

P.O. ADDRESS:

Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

Robyn L. Templin	(Typed or printed name)
/Robyn L. Templin/	(Signature)
January 8, 2024	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,807	06/07/2023	Mark J. Sarder	CET1090.103	7935

TITLE OF INVENTION: DUAL FUEL SELECTOR SWITCH

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	03/15/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
HASAN, SYED O	3747	137-637000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Ziolkowski Patent
Solutions Group, SC
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Champion Power Equipment, Inc.

Santa Fe Springs, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Timothy J. Ziolkowski/

Date January 8, 2024

Typed or printed name Timothy J. Ziolkowski

Registration No. 38,368



UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

26629 7590 12/15/2023
ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

EXAMINER

HASAN, SYED O

ART UNIT

PAPER NUMBER

3747

DATE MAILED: 12/15/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/330,807	06/07/2023	Mark J. Sarder	CET1090.103	7935

TITLE OF INVENTION: DUAL FUEL SELECTOR SWITCH

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0.00	\$0.00	\$480	03/15/2024

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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Commissioner for Patents
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(Typed or printed name)
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1 _____

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2 _____

3 _____

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Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

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☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)			HASAN, SYED O	
136 S WISCONSIN ST			ART UNIT	
PORT WASHINGTON, WI 53074			PAPER NUMBER	
			3747	
DATE MAILED: 12/15/2023				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/330,807	Applicant(s) Sarder et al.	
	Examiner SYED O HASAN	Art Unit 3747	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/7/2023.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-38. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) 2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____. 3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____. 4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.	5. ☐ Examiner's Amendment/Comment 6. ☒ Examiner's Statement of Reasons for Allowance 7. ☐ Other _____.
--	--

/ SYED O HASAN/
Primary Examiner, Art Unit 3747

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file

provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The actual filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/apply/applying-online/eterminal-disclaimer.

3. Claims 1-6 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 14-18 of U.S. Patent No. 9,435,273. Claims 7-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 10,598,101. Claims 15-20 are rejected on the ground of nonstatutory

double patenting as being unpatentable over claims 10-15 of U.S. Patent No.

10,598,101. Claims 21-29 are rejected on the ground of nonstatutory double patenting

as being unpatentable over claims 1-2, 4-7, and 9 of U.S. Patent No. 11,761,390.

Claims 30-38 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-8 of U.S. Patent No. 11,306,667. Although the claims at issue are not identical, they are not patentably distinct from each other because contain similar major limitations.

Terminal Disclaimer

4. The terminal disclaimer filed on 12/1/2023 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of patent numbers 9,435,273, 10,598,101, 11,761,390, and 11,306,667 have been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

5. Claims 1-38 are allowed.

6. The reasons for allowances are given in the previous parent patents listed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to PTO-892.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED O HASAN whose telephone number is (571)272-0990. The examiner can normally be reached Monday-Friday; 11AM-7PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lindsay Low can be reached on (571) 272-1196. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 18/330,807
Art Unit: 3747

Page 6

/SYED O HASAN/
Primary Examiner, Art Unit 3747
12/8/2023

<i>Notice of References Cited</i>	Application/Control No. 18/330,807		Applicant(s)/Patent Under Reexamination Sarder et al.	
	Examiner SYED O HASAN		Art Unit 3747	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-4297742-A	1981-10-27	Heitzman; Gary N.	F02D17/04	361/194
*	B	US-20040246118-A1	2004-12-09	Tharman, Paul A.	F01M11/12	340/450
*	C	US-4489699-A	1984-12-25	Poehlman; Arthur G.	F02B69/04	48/180.1
*	D	US-20060169238-A1	2006-08-03	Mazuka; Naoto	F02B63/04	290/1A
*	E	US-20040240141-A1	2004-12-02	Stolt, Peter E.	H01H47/18	361/160
*	F	US-20020125115-A1	2002-09-12	Burkholder, Robert F.	H01R13/447	200/51.11
*	G	US-20070137591-A1	2007-06-21	Sugimoto; Yasuhiro	F02M21/06	123/527
*	H	US-3696333-A	1972-10-03	Mott; Willard	F02N11/0803	340/425.5
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

Search Notes 	Application/Control No. 18/330,807	Applicant(s)/Patent Under Reexamination Sarder et al.
	Examiner SYED O HASAN	Art Unit 3747

CPC - Searched*		
Symbol	Date	Examiner
F02D19/0676, 19/0613, 19/1647, 29/06, 19/0681, F02M21/0293, 21/0236, 13/08, F02B53/00, 63/00, H02K1/22	12/08/2023	/S.O.H/

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Searched in subclasses above with keywords.	12/08/2023	/S.O.H/
SEARCH strategy attached. Inventor name searches performed.	12/08/2023	/S.O.H/

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	((dual near3 fuel near3 (engine OR generator)) AND fuel AND (solenoid) AND switch)).clm.	12/08/2023	/S.O.H/

	/SYED O HASAN/ Primary Examiner, Art Unit 3747
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<i>Index of Claims</i> 	Application/Control No. 18/330,807	Applicant(s)/Patent Under Reexamination Sarder et al.
	Examiner SYED O HASAN	Art Unit 3747

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
CLAIM			DATE							
Final	Original	12/08/2023								
1	1	=								
2	2	=								
3	3	=								
4	4	=								
5	5	=								
6	6	=								
7	7	=								
8	8	=								
9	9	=								
10	10	=								
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22	22	=								
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29	29	=								
30	30	=								
31	31	=								
32	32	=								
33	33	=								
34	34	=								
35	35	=								
36	36	=								
37	37	=								
38	38	=								

Issue Classification 	Application/Control No. 18/330,807	Applicant(s)/Patent Under Reexamination Sarder et al.
	Examiner SYED O HASAN	Art Unit 3747

CPC						
Symbol					Type	Version
F02D	/	19	/	0676	F	2013-01-01
F02M	/	13	/	08	I	2013-01-01
F02D	/	19	/	0647	I	2013-01-01
F02D	/	29	/	06	I	2013-01-01
F02D	/	19	/	0613	I	2013-01-01
Y10T	/	137	/	0318	A	2015-04-01
Y10T	/	137	/	0491	A	2015-04-01
Y10T	/	137	/	87684	A	2015-04-01
Y02T	/	10	/	30	A	2013-01-01

CPC Combination Sets					
Symbol				Type	Set
	/		/		

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	38	
/SYED O HASAN/ Primary Examiner, Art Unit 3747	08 December 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

<i>Issue Classification</i> 	Application/Control No. 18/330,807	Applicant(s)/Patent Under Reexamination Sarder et al.
	Examiner SYED O HASAN	Art Unit 3747

INTERNATIONAL CLASSIFICATION			
CLAIMED			
F02D	/	19	/ 06

NON-CLAIMED			
/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)		38	
(Date)			
/SYED O HASAN/		08 December 2023	
Primary Examiner, Art Unit 3747		O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)		1	1
(Date)			

Issue Classification 	Application/Control No. 18/330,807	Applicant(s)/Patent Under Reexamination Sarder et al.
	Examiner SYED O HASAN	Art Unit 3747

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47
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CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19	28	28	37	37						
2	2	11	11	20	20	29	29	38	38						
3	3	12	12	21	21	30	30								
4	4	13	13	22	22	31	31								
5	5	14	14	23	23	32	32								
6	6	15	15	24	24	33	33								
7	7	16	16	25	25	34	34								
8	8	17	17	26	26	35	35								
9	9	18	18	27	27	36	36								

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 38	
/SYED O HASAN/ Primary Examiner, Art Unit 3747 (Primary Examiner) _____ (Date) _____		08 December 2023 (Date)	O.G. Print Claim(s) 1 O.G. Print Figure 1

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	11	((Mark) near2 (Sarder)).INV.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/06/23 02:16 PM
L2	2	((Leigh) near2 (Jenison)).INV.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/06/23 02:17 PM
L3	2	((Ian) near2 (Schmit)).INV.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/06/23 02:18 PM
L4	834	123/525.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:20 PM
L5	3	123/525.ccls. and (dual near3 fuel near3 generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:20 PM
L6	2	123/525.ccls. and (((multiple near3 fuel) or bi-fuel) near3 generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:21 PM
L7	3	123/525.ccls. and (((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:22 PM
L8	236	(((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:22 PM
L9	10	(((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator) same (switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:23 PM
L10	458	f02D19/0676.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:23 PM
L11	17	F02D19/0676.cpc. and (generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:24 PM
L12	6	F02M21/0293.cpc. and (generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:24 PM
L13	14	F02M21/0236.cpc. and (generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:25 PM
L14	18	F02M21/0233.cpc. and (generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:27 PM
L15	21	F02M13/08.cpc. and (generator)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:29 PM

L16	0	(generator) and (dual near3 fuel) and (selectro near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:32 PM
L17	16	(generator) and (dual near3 fuel) and (selector near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:32 PM
L18	42	(generator) and ((dual near3 fuel) or (bi-fuel) or (multiple near3 fuel)) and (selector near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:33 PM
L19	46	(generator) and ((dual near3 fuel) or (bi-fuel) or (multiple near3 fuel)) and (fuel near5 select\$4 near5 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:39 PM
L20	46	(generator or genset) and ((dual near3 fuel) or (bi-fuel) or (multiple near3 fuel)) and (fuel near5 select\$4 near5 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:40 PM
L21	728	137/383.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:58 PM
L22	96	137/384.8.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 02:58 PM
L23	0	317/317.5.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:04 PM
L24	133	273/317.5.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:04 PM
L25	161	292/4.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:06 PM
L26	106	292/290.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:07 PM
L27	578	49/503.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:15 PM
L28	92	123/2-3.ccls. and (fuel near5 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:16 PM
L29	163	(generator) same (LPG near20 gasoline)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:35 PM
L30	163	(generator) same (LPG near20 gasoline)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:35 PM
L31	19	(fuel near3 select\$4	(US-PGPUB; USPAT;	OR	OFF	OFF	2015/06/23

L32	321499	near3 switch) and (LPG near20 gasoline) (select\$4 near3 switch)	USOCR; FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	03:53 PM 2015/06/23 03:55 PM
L33	1395	(select\$4 near3 switch) same (enclosure)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:55 PM
L34	123	(switch) same (enclosure) same (first near3 valve) same (second near3 valve)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:56 PM
L35	0	(switch) same (genset) same (first near3 valve) same (second near3 valve)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:58 PM
L36	11	(genset) and ((switch) same (first near3 valve) same (second near3 valve))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 03:58 PM
L37	550	(slider near3 switch).ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:17 PM
L38	28	(slider near3 switch).ti.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/23 04:19 PM
L39	2	("7135651" "7223931").PN. OR ("7772508").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/06/23 04:20 PM
L40	209	200/241.ccls.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/23 04:23 PM
L41	45	200/241.ccls. and (groove or slot)	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/06/23 04:23 PM
L42	151	290/1A.ccls. and (groove or slot)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:24 PM
L43	414	290/1A.ccls. and (switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:25 PM
L44	45	290/1A.ccls. and (select\$4 near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:25 PM
L45	16208	(select\$4 near3 switch).ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:30 PM
L46	42	(fuel near3 select\$4 near3 switch).ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:30 PM
L47	1	("2004/0240141").URP N.	(USPAT)	OR	OFF	OFF	2015/06/23 04:31 PM
L48	436	261/16.ccls.	(USPAT)	OR	OFF	OFF	2015/06/23 04:38 PM
L49	18	261/16.ccls. and switch	(USPAT)	OR	OFF	OFF	2015/06/23

L50	0	48/180R.ccls.	(USPAT)	OR	OFF	OFF	04:38 PM 2015/06/23 04:38 PM
L51	0	48/180C.ccls.	(USPAT)	OR	OFF	OFF	2015/06/23 04:38 PM
L52	0	48/180C.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:39 PM
L53	834	123/525.ccls.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:39 PM
L54	215	123/525.ccls. and (switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:39 PM
L55	76	123/525.ccls. and (switch) and (dual near3 fuel)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/23 04:39 PM
L56	15	("20130122439" "20130 098349" "20060169238 " "20040240141" "4489 699").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/06/29 02:24 PM
L57	2	(dual near3 fuel near3 engine) same (fuel near3 handle)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2015/12/17 06:15 PM
L58	3	(dual near3 fuel near3 engine) same (fuel near3 handle)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:16 PM
L59	16	(dual near3 fuel near3 engine) same (fuel near3 lever)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:17 PM
L60	5	(dual near3 fuel near3 engine) same (fuel near3 valve near3 (lever or switch or handle))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:23 PM
L61	6	(dual near3 fuel near3 (engine or generator)) same (fuel near3 valve near3 (lever or switch or handle))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:45 PM
L62	24	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:45 PM
L63	4939	(gas near3 station).ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:55 PM
L64	39	(gas near3 station).ti. and lever	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:55 PM
L65	292	(generator).ti. and ((dual or multiple) near3	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2015/12/17 06:56 PM

L66	98	(fuel)) (generator).ti. and (((dual or multiple) near3 (fuel)) and (engine)	JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:56 PM
L67	13	(generator).ti. and (((dual or multiple) near3 (fuel)) same (switch or handle or lever)) and (engine)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2015/12/17 06:56 PM
L69	39	"4489699"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/12/28 08:09 PM
L70	14	F02D19/0613.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2018/01/02 08:38 PM
L71	25	F02D19/0613.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/01/02 08:38 PM
L72	72	F02D19/0647.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/01/02 08:39 PM
L73	77	F02D19/0647.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2018/01/02 08:39 PM
L74	11	F02D19/06.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2018/01/02 08:40 PM
L75	32	F02M13/08.cpc. and (((dual near3 fuel) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2018/01/02 08:41 PM
L76	9	(fuel near3 select\$4 near3 switch) same (valve near3 assembly)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:24 PM
L77	0	(geneartor) same (fuel near3 switch) same (valve near3 assembly)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:25 PM
L78	9	(generator) same (fuel near3 switch) same (valve near3 assembly)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:25 PM
L79	6704	(generator) same (fuel near3 valve)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:26 PM
L80	10	(generator) same (dual near2 fuel near3 valve)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:26 PM
L81	13	(generator) same (dual near2 fuel near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:27 PM
L82	13	(generator) same (dual near3 fuel near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:28 PM
L83	19	(gaseous near3 fuel) same (dual near3 fuel	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/08/01 09:54 PM

L84	52	near3 switch) (gaseous near3 fuel) same (fuel near3 select\$4 near3 switch)	JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 09:56 PM
L85	85	F02D19/0613.cpc. and (switch same valve)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 10:03 PM
L86	31	F02D19/0613.cpc. and (switch same valve same (user or operator))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 10:04 PM
L87	25	F02D19/081.cpc. and (switch same valve same (user or operator))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 10:08 PM
L88	16	F02D19/0642.cpc. and (switch same valve same (user or operator))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/01 10:10 PM
L89	39	"4489699"	(USPAT)	OR	OFF	OFF	2018/08/02 02:52 PM
L90	1	"20040240141"	(USPAT)	OR	OFF	OFF	2018/08/02 02:53 PM
L91	3	"20040240141"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 02:53 PM
L92	3	"20060169238"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 02:53 PM
L93	4	"20130098349"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 02:55 PM
L94	5	"20130122439"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 02:58 PM
L95	1	"20060169238"	(USPAT)	OR	OFF	OFF	2018/08/02 02:58 PM
L96	0	123/198E.ccls. and (duel near3 fuel)	(USPAT)	OR	OFF	OFF	2018/08/02 03:01 PM
L97	1	123/198E.ccls. and (dual near3 fuel)	(USPAT)	OR	OFF	OFF	2018/08/02 03:01 PM
L98	1	123/198E.ccls. and (dual near3 fuel)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 03:02 PM
L99	10	123/2.ccls. and (dual near3 fuel)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 04:27 PM
L100	0	60/39.463. and (dual near3 fuel)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 04:31 PM
L101	121	60/39.463.ccls. and (dual near3 fuel)	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2018/08/02 04:31 PM

			JPO; DERWENT)				
L102	34	60/39.463.ccls. and (((dual near3 fuel) same (valve))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 04:32 PM
L103	50	"4489699"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2018/08/02 05:42 PM
L104	5	generator and (((dual or multiple or second\$4) near3 (fuel)) same (valve near2 handle) same (user or operator or manual or manually))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/16 11:09 PM
L105	16	generator and (((dual or multiple or second\$4) near3 (fuel)) same (valve near2 handle))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/16 11:10 PM
L106	20	generator and (((dual or multiple or second\$4) near3 (fuel)) same (valve near3 handle))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/16 11:10 PM
L107	540	generator and (((dual or multiple or second\$4) near3 (fuel)) same (valve) same (user or operator or manual or manually))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/16 11:12 PM
L108	124	generator and (((dual or multiple or second\$4) near3 (fuel)) same (valve) same (user or operator or manual or manually) same switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/16 11:13 PM
L109	4	("2681694").URPN.	(USPAT)	OR	OFF	OFF	2019/06/16 11:23 PM
L110	37	F02D19/0676.cpc. and ((valve) same (user or operator or manual or manually) same switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:17 PM
L111	19	F02D19/0681.cpc. and ((valve) same (user or operator or manual or manually) same switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:21 PM
L112	3	("2008/0022983").URP N.	(USPAT)	OR	OFF	OFF	2019/06/17 05:25 PM
L113	0	F02B2063/046.cpc. and ((valve) same (user or operator or manual or manually) same switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:29 PM
L114	23	F02B2063/046.cpc. and ((valve) same (user or operator or manual or manually))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:29 PM

L115	23	F02B2063/046.cpc. and ((valve) same (user or operator or manual or manually or mechanically or mechanical))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:54 PM
L116	33	F02B63/048.cpc. and ((valve) same (user or operator or manual or manually or mechanically or mechanical))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 05:54 PM
L117	1201	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator) and ((valve) same (user or operator or manual or manually or mechanically or mechanical))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:00 PM
L118	72	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator) and ((valve) same (user or operator or manual or manually or mechanically or mechanical) same handle)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:01 PM
L119	14	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator).ti. and ((valve) same (user or operator or manual or manually or mechanically or mechanical))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:05 PM
L120	5	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator).ti. and ((valve) same handle)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:12 PM
L121	139	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator) and ((valve) same handle)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:12 PM
L122	34	((dual or multiple or second\$4 or bi) near3 (fuel)) same generator) and ((valve) near3 handle)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:12 PM
L123	555	generator and (((dual or multiple or second\$4 or	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2019/06/17 06:23 PM

L124	310	bi) near3 (fuel)) same (valve) same (user or operator or manual or manually))	JPO; DERWENT)				
		((((dual or multiple or second\$4 or bi) near3 (fuel)) same generator) and ((valve) near3 (switch or lever or selector))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:23 PM
L125	275	(generator same (case or casing or housing or enclosure)) and (((dual or multiple or second\$4 or bi) near3 (fuel))) and ((valve) same (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:36 PM
L126	9	("2007/0137591").URP N.	(USPAT)	OR	OFF	OFF	2019/06/17 06:40 PM
L127	725165	(generator).ti. engine and (((dual or multiple or second\$4 or bi) near3 (fuel))) and ((valve) same (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:48 PM
L128	23	(generator).ti. and engine and (((dual or multiple or second\$4 or bi) near3 (fuel))) and ((valve) same (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:49 PM
L129	47	(generator).ti. and engine and (((dual or multiple or second\$4 or bi) near3 (fuel))) and ((fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:49 PM
L130	0	((((dual or multiple or second\$4 or bi) near3 (fuel) near3 gnerator)) and (second\$4 near3 (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:56 PM
L131	18	((((dual or multiple or second\$4 or bi) near3 (fuel) near3 generator)) and (second\$4 near3 (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 06:57 PM

L132	34	((((dual or multiple or second\$4 or bi) near3 (fuel) near3 generator)) and ((user or manual or manually or operator or mechanically) same (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 07:00 PM
L133	393	(generator or genset) and (((dual or multiple or second\$4 or bi) near3 (fuel))) and ((user or manual or manually or operator or mechanically) same (fuel near3 (switch or lever or selector or handle)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2019/06/17 07:03 PM
L134	433	123/525.ccls.	(USPAT)	OR	OFF	OFF	2019/06/17 07:31 PM
L135	186	123/525.ccls. and (fuel same valve same (handle or switch or lever or selector))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2019/06/17 07:31 PM
L136	22	123/525.ccls. and (generator or genset) and (fuel same valve same (handle or switch or lever or selector))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2019/06/17 07:32 PM
L137	5	"20070137591"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2019/06/17 07:37 PM
L138	1	"20070137591"	(USPAT)	OR	OFF	OFF	2019/09/25 01:50 PM
L139	2	"20070137591"	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/09/25 01:50 PM
L140	46	"4489699"	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/09/25 01:50 PM
L141	63	("20020134362" "20040139943" "20100258099" "20110168133" "20110253102" "20130047964" "20130220274" "20140202430" "20140238340" "20140373531" "20150122230" "2722208" "3384059" "3412258" "3659574" "3718000" "3783849" "3888223" "4335697" "4372276" "4373493" "4393848" "4450821" "4463735" "4480595" "4502453" "4619240" "4628871" "4708094" "	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/12/19 08:00 PM

		4895124 "4979480 "5092305 "5161496 "5171487 "5228423 "5287839 "5320078 "5325835 "5379740 "5419291 "5438968 "5450832 "5611312 "5673670 "5809979 "5816224 "6082323 "6213083 "6223730 "6276345 "6401685 "6453877 "6591817 "6914342 "7905469 "8342158 "8590510 "9435273 "20040240141 "20060169238 "20130098349 "20130122439 "4489699").PN					
L143	1	"10598101"	(USPAT)	OR	OFF	OFF	2021/02/23 08:07 AM
L144	1	"20070137591"	(USPAT)	OR	OFF	OFF	2021/03/08 07:48 PM
L145	2	"20070137591"	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/03/08 07:48 PM
L146	5	"10598101"	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/03/08 08:36 PM
L147	49	"4489699"	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/03/08 09:16 PM
L148	0	carburettor near3 solenoid near3 switch	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/03/08 09:21 PM
L149	0	carburettor near3 solenoid near3 switch	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	OFF	OFF	2021/03/08 09:22 PM
L150	43	carbur\$8 near3 solenoid near3 switch	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	OFF	OFF	2021/03/08 09:22 PM
L151	38	engine and (carbur\$8 near3 solenoid near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	OFF	OFF	2021/03/08 09:22 PM
L152	0	engine and geneartor and (carbur\$8 near3 solenoid near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	OFF	OFF	2021/03/08 09:22 PM
L153	26	engine and generator and (carbur\$8 near3 solenoid near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO)	OR	OFF	OFF	2021/03/08 09:22 PM
L154	19	("20070137591 "2398437 "3911956 "4323046 "4375795 "4471805 "4492207 "4750514 "4788960 "5934320 "6543395 "6591817 "7591257 "7802562 "7905469 "8042569 "8757139 "8944027 "91756	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/03/08 10:09 PM

L155	10	01").PN. (generator) and (engine) and ((fuel near3 selector) same (second\$4 near3 (outlet or output)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 12:17 PM
L156	6020	(generator) and (engine) and ((dual enar3 fuel) same (second\$4 near3 (outlet or output)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 12:19 PM
L157	31	(generator) and (engine) and ((dual near3 fuel) same (second\$4 near3 (outlet or output)))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 12:19 PM
L158	5	(generator) and (engine) and ((dual or second\$4) near3 fuel) and ((solenoid near3 switch) same (fuel adj solenoid))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 01:33 PM
L159	27	(generator) and (engine) and ((dual or second\$4) near3 fuel) and (fuel near3 solenoid near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 01:37 PM
L160	21	(generator) and (engine) and ((dual or second\$4) near3 fuel) and (fuel near3 (cut or cut-off) near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:08 PM
L161	958	(generator) and (engine) and ((dual or second\$4) near3 fuel) and (fuel near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:09 PM
L162	348	(generator) and (engine) and (((dual or second\$4) near3 fuel) same (fuel near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:10 PM
L163	83	(engine) and (((dual or second\$4) near3 fuel) same (selector near3 switch) same (fuel near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:13 PM
L164	1492	(engine) and (((dual or second\$4) near3 fuel) same (fuel near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:41 PM
L165	0	gnerator and (engine) and (((dual or second\$4) near3 fuel) same (fuel near3	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:41 PM

L166	348	switch)) generator and (engine) and (((dual or second\$4) near3 fuel) same (fuel near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/15 02:41 PM
L167	14	("2006/0065216").URP N.	(USPAT)	OR	OFF	OFF	2021/06/15 02:59 PM
L168	100	engine and ((fuel near3 selector) same (fuel near3 switch))	(USPAT)	OR	OFF	OFF	2021/06/15 05:11 PM
L169	2	engine and ((fuel near3 selector) same (kill near3 switch))	(USPAT)	OR	OFF	OFF	2021/06/15 05:11 PM
L170	4	engine and ((fuel near3 selector) same (kill near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/06/15 05:11 PM
L171	0	engine and ((dual near3 duel) same (kill near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/06/15 05:12 PM
L172	0	engine and ((dual near3 fuel) same (kill near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/06/15 05:12 PM
L173	5	engine and ((dual near3 fuel) same ((cut or cut- off) near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/06/15 05:12 PM
L174	7	("20070215223" "42879 08" "4364370" "441624 4" "5555873" "7954479" "9523497").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/06/15 05:17 PM
L175	10	"4306579"	(US-PGPUB; USPAT)	OR	OFF	OFF	2021/06/15 05:27 PM
L176	8655	generator and (solenoid near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 04:52 PM
L177	1022	generator and ((solenoid near3 switch) near5 (closed))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 04:53 PM
L178	238	generator and ((solenoid near3 switch) near5 (closed) near5 open)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 04:53 PM
L179	9	generator and ((solenoid near3 switch) near5 (closed) near5 (fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 04:54 PM
L180	2	generator and ((solenoid near3 switch) same (fuel near3 mode))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:09 PM
L181	721	generator and ((solenoid near3 switch) same (fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:09 PM

L182	132	generator and ((solenoid near3 switch) same (fuel near3 solenoid))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:10 PM
L183	58	generator and ((solenoid near3 switch) same (fuel near3 solenoid) same closed)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:23 PM
L184	2	engine and ((solenoid near3 switch) same (fuel near3 solenoid) same closed same (first near3 mode))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:27 PM
L185	2	engine and (((fuel near3 solenoid near3 switch) near5 closed) same (first near3 mode))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:28 PM
L186	2	engine and (((fuel near3 solenoid near3 switch) near5 closed) same (selector near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:29 PM
L187	2	engine and (((fuel near3 solenoid near3 switch) near5 closed) same (mode))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:29 PM
L188	24	engine and (((fuel near3 solenoid near3 switch) near5 closed))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 05:29 PM
L189	9	engine and (((solenoid near3 switch) near5 closed) same (fuel near3 solenoid) same (operator or manual))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:16 PM
L190	9	engine and (((solenoid near3 switch) near5 closed) same (fuel near3 solenoid) same (operator or manual or user))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:16 PM
L191	9	engine and (((solenoid near3 switch) near5 closed) same (fuel near3 solenoid) same (operator or manual or user))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:23 PM
L192	147	(engine or generator) and ((solenoid near3 switch) same ((second\$4 or dual) near3 fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:26 PM
L193	23	(engine or generator) and ((solenoid adj switch) same ((second\$4 or dual)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:27 PM

L194	26	near3 fuel)) (engine or generator) and ((fuel near3 solenoid near3 switch) same ((second\$4 or dual) near3 fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:33 PM
L195	0	((fuel near3 solenoid near3 switch) same operator same ((second\$4 or dual) near3 fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:36 PM
L196	0	((fuel near3 solenoid near3 switch) same user same ((second\$4 or dual) near3 fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:37 PM
L197	48	(engine or generator) and ((fuel near3 (cut\$4 or cut-off or stop) near3 switch) same ((second\$4 or dual) near3 fuel))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/06/17 06:37 PM
L198	612	generator and ((fuel near3 solenoid) same (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/12/14 02:44 PM
L199	164	generator and ((fuel near3 solenoid) near5 (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/12/14 02:44 PM
L200	31	generator and ((fuel adj solenoid) near5 (switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2021/12/14 02:44 PM
L201	32	(generator) and (engine) and ((dual or second\$4) near3 fuel) and ((fuel near3 solenoid near3 switch))	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2022/02/04 04:19 PM
L202	57	dyson and (hair near3 dryer)	(USPAT)	OR	ON	ON	2022/02/04 04:22 PM
L203	3	(11306667;10598101;9 435273).pn.	(USPAT)	OR	ON	ON	2022/09/09 03:58 PM
L204	34	(dual near3 fuel) AND (solenoid near3 switch) SAME (solenoid) SAME off	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 05:23 PM
L205	87	(dual near3 fuel) AND ((solenoid near3 switch) SAME (solenoid) SAME off)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO,	OR	ON	ON	2023/01/20 05:23 PM

L206	18	(dual near3 fuel) AND ((solenoid ADJ switch) SAME (solenoid) SAME off)	RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/20 05:25 PM
L207	45	(dual near3 fuel) AND ((fuel near3 solenoid near3 switch))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/20 05:38 PM
L208	38	(dual near3 fuel) AND ((fuel near3 solenoid near3 switch))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	OFF	ON	2023/01/20 05:38 PM
L209	4	(9435273; 10598101; 11306667; "11761390").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/11/29 05:29 PM
L210	4	("9435273," "10598101," "11306667," "11761390").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2023/11/29 05:29 PM

L211	4	(9435273 10598101 11306667 "11761390").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/11/29 05:30 PM
L212	9	"10598101"	(US-PGPUB; USPAT)	OR	ON	ON	2023/12/05 04:03 PM
L213	3	"11761390"	(US-PGPUB; USPAT)	OR	ON	ON	2023/12/05 04:07 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N68	0	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.	(USPAT)	OR	OFF	OFF	2016/04/21 07:37 PM
N142	2	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.	(USPAT)	OR	ON	ON	2019/12/19 07:59 PM
N203	3	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.	(USPAT)	OR	ON	ON	2022/02/04 04:20 PM
N204	57	dyson and (hair near3 dryer)	(USPAT)	OR	ON	ON	2022/02/04 04:22 PM
N205	12	((((dual near3 fuel near3 (engine OR generator)) AND fuel AND (solenoid) AND switch)).clm.	(USPAT)	OR	OFF	OFF	2023/07/27 04:34 PM

Bibliographic Data

Application No: 18/330,807

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /SYED O HASAN/

Examiner's Signature

Initials

Title: DUAL FUEL SELECTOR SWITCH

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
06/07/2023	137	3747	CET1090.103
RULE			

APPLICANTS

Champion Power Equipment, Inc., Santa Fe Springs, CA, UNITED STATES

INVENTORS

Mark J. Sarder, Waukesha, WI, UNITED STATES

Leigh Jenison, Hartland, WI, UNITED STATES

Ian Schmit, Cedarburg, WI, UNITED STATES

CONTINUING DATA

This application is a CON of 17651245 02/16/2022 PAT 11761390

17651245 is a CON of 16789722 02/13/2020 PAT 11306667

16789722 is a CON of 15015205 02/04/2016 PAT 10598101

15015205 is a CON of 14069747 11/01/2013 PAT 9435273

FOREIGN APPLICATIONS

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06/27/2023

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ADDRESS

ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)

136 S WISCONSIN ST

PORT WASHINGTON, WI 53074

UNITED STATES

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\$1,768



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APPLICATION #
18/330,807

RECEIPT DATE / TIME
12/01/2023 04:22:51 PM Z ET

ATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 63461244

FILING DATE 06/07/2023

CUSTOMER # 26629

FIRST NAMED INVENTOR Mark J. Sarder

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Jacob Fritz

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	50 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	F7C3732829A8287089F75F8575DEEBAFB69DF537ABA453F08 A495A024F1CE0E8559801D63204DA771A6CB6449DE1F323173

8F99F924EF915CCED46F6E7BF0A

grantLetter.pdf

2A035132372D5EC45F4A7D1F0761EEB9D64A165C286A6AC99
5ECAAF14C1CFD73C7EC432A8BB8E21A2E18B9470F67B8C7B1
E740CB5B7671F0F1105D47064DA0D0A

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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APPROVAL LETTER

APPLICATION #
18/330,807

FILING DATE
06/07/2023

APPLICANT/PATENT UNDER REEXAMINATION
Mark Sarder

Title of Invention

DUAL FUEL SELECTOR SWITCH

Electronic terminal disclaimer filed on 12/01/2023

☒ Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



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TERMINAL DISCLAIMER TO OBVIATE A PROVISIONAL DOUBLE PATENTING REJECTION OVER A PENDING "REFERENCE" APPLICATION

APPLICATION #
18330807

FILING DATE
06/07/2023

FIRST NAMED INVENTOR
Mark Sarder

ATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH



Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action



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Owner	Percent interest
Champion Power Equipment, Inc.	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
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as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the

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In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

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Patent #

9435273

10598101

11306667

11761390

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In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.



Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:

Small

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Signature	Name	Registration #
/Jacob M. Fritz/	Jacob Fritz	71459

* Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP 324.



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APPLICATION #
18/330,807

RECEIPT DATE / TIME
12/01/2023 04:22:51 PM Z ET

ATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 63461244

AUTHORIZED BY Jacob Fritz

CUSTOMER # 26629

FILING DATE 06/07/2023

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Mark J. Sarder

Payment Information

PAYMENT METHOD
CARD / 8631

PAYMENT TRANSACTION ID
E2023B1G24457829

PAYMENT AUTHORIZED BY
Jacob Fritz

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$170.00

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National Stage of an International Application under 35 U.S.C. 371

Petitioner Ex 1002 052

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New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
18/330,807	06/07/2023	Mark J. Sarder	CET1090.103

CONFIRMATION NO. 7935

26629
ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

PUBLICATION NOTICE



OC000000062914680

Date Mailed: 10/05/2023

Title:DUAL FUEL SELECTOR SWITCH

Publication No.US-2023-0313747-A1

Publication Date:10/05/2023

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
18/330,807	06/07/2023		1768	CET1090.103	38	5

CONFIRMATION NO. 7935

26629

ZIOLKOWSKI PATENT SOLUTIONS GROUP, SC (ZPS)
136 S WISCONSIN ST
PORT WASHINGTON, WI 53074

FILING RECEIPT



0000000058732168

Date Mailed: 06/28/2023

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

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Inventor(s)

Mark J. Sarder, Waukesha, WI;
Leigh Jenison, Hartland, WI;
Ian Schmit, Cedarburg, WI;

Applicant(s)

Champion Power Equipment, Inc., Santa Fe Springs, CA;

Power of Attorney: The patent practitioners associated with Customer Number 26629

Domestic Priority data as claimed by applicant

This application is a CON of 17/651,245 02/16/2022
which is a CON of 16/789,722 02/13/2020 PAT 11,306,667
which is a CON of 15/015,205 02/04/2016 PAT 10,598,101
which is a CON of 14/069,747 11/01/2013 PAT 9,435,273

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/330,807**

Projected Publication Date: 10/05/2023

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DUAL FUEL SELECTOR SWITCH

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
18/330,807

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	64		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	280		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	320		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	38 minus 20 =	* 18	x 40 =	720	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	5 minus 3 =	* 2	x 192 =	384			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0			
			TOTAL	1048		TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

		(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY		
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

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The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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Application Number	
Filing Date	
First Named Inventor	Mark J. Sarder
Title	DUAL FUEL SELECTOR SWITCH
Art Unit	
Examiner Name	
Attorney Docket Number	CET1090.103

SIGNATURE of Applicant or Patent Practitioner

Signature	/Jacob M. Fritz/	Date (Optional)	June 7, 2023
Name	Jacob M. Fritz	Registration Number	71459
Title (if Applicant is a juristic entity)	Patent Practitioner		
Applicant Name (if Applicant is a juristic entity)	Champion Power Equipment, Inc.		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.



*Total of 1 forms are submitted.

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

DUAL FUEL SELECTOR SWITCH

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



United States application or PCT international application number _____

filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

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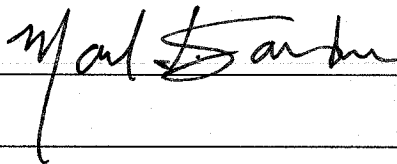
LEGAL NAME OF INVENTOR

Inventor: Mark J. Sarder

Date (Optional):

13/10/31

Signature:



Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

DUAL FUEL SELECTOR SWITCH

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This declaration
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United States application or PCT international application number _____

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WARNING:

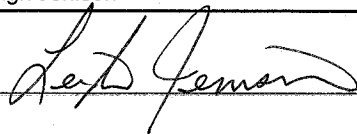
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LEGAL NAME OF INVENTOR

Inventor: Leigh Jenison

Date (Optional): 10-31-2013

Signature:



Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

DUAL FUEL SELECTOR SWITCH

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



United States application or PCT international application number _____

filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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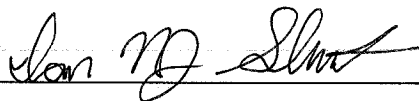
LEGAL NAME OF INVENTOR

Inventor: Ian Schmit

Date (Optional):

10/31/13

Signature:



Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

DUAL FUEL SELECTOR SWITCH

CROSS-REFERENCE TO RELATED APPLICATION

[0001] The present application is a continuation of, and claims priority to, U.S. Serial No. 17/651,245, filed on February 16, 2022, which is a continuation of, and claims priority to, U.S. Patent Application Serial No. 16/789,722, filed on February 13, 2020, now U.S. Patent No. 11,306,667, issued April 19, 2022, which is a continuation of, and claims priority to, U.S. Patent Application Serial No. 15/015,205, filed on February 4, 2016, now U.S. Patent No. 10,598,101, issued March 24, 2020, which is a continuation of, and claims priority to, U.S. Patent Application Serial No. 14/069,747, filed on November 1, 2013, now U.S. Patent No. 9,435,273, issued September 6, 2016, the disclosures of which are incorporated herein by reference in their entirety.

BACKGROUND OF THE INVENTION

[0002] Embodiments of the invention relate generally to dual fuel generators and, more particularly, to a selector switch for use on a dual fuel generator that is configured to ensure that only one type of fuel may be in use at a given time in the generator.

[0003] Engine-driven, electrical generators are used in a wide variety of applications. Typically, an electrical generator utilizes a single driving engine directly coupled to a generator or alternator through a common shaft. Upon activation of the generator, a fuel and air mixture is provided to the combustion chambers of corresponding cylinders of the engine. The fuel mixture in each combustion chamber is ignited causing an explosion within the cylinders. The explosive forces within the combustion chambers in the cylinders cause linear motion of the pistons within their corresponding cylinders. The linear motion of the pistons is converted into rotational motion by a crankshaft that, in turn, drives the alternator. As is conventional, the driven alternator generates electrical power.

[0004] Certain generators are defined as “dual fuel” generators that include an engine having the ability to be fueled with either of two fuels, such as either gasoline or liquefied petroleum gas (LPG), for example. These “dual fuel” engines may selectively

operate on gasoline or LPG as desired and controlled by an operator, such as being operated on LPG/gasoline for a first period of operation and selectively switching over to the other of LPG/gasoline for another period of operation, with such a switching of fuels being controlled as desired by an operator. Typical dual fuel generators utilize separate valves for each fuel type, such as an LPG valve and a gasoline valve, to control flow of the respective fuels to the engine. While the existence of two separate valves allows one fuel type to have its valve “on” while the other has its valve “off,” there is nothing to prevent both valves from being “on” at the same time. As such, it is possible for both valves to be in the “on” position, which can lead to a potentially unsafe condition resulting from the mixture of the fuels.

[0005] Therefore, it would be desirable to provide a dual fuel generator with a selector switch that would prohibit the mixing of two differing types of fuels. It would further be desirable for such a selector switch to inhibit positioning/actuation of the valves in such a manner that the valve for a first fuel source is prevented from being “on” when the valve for a second fuel source is “on”, and vice versa.

BRIEF DESCRIPTION OF THE INVENTION

[0006] In accordance with one aspect of the invention, a fuel selector for use with a dual fuel generator includes a selector plate, a first fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a first fuel flow to an engine of the dual fuel generator, and a second fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a second fuel flow to the engine of the dual fuel generator. The fuel selector also includes a selector switch coupled to the selector plate so as to be linearly translatable from a first position to a second position, wherein translation of the selector switch between the first and second positions enables positioning of only one of the first fuel valve assembly and the second fuel valve assembly in the ON position at a given time, such that the first and second fuel valve assemblies cannot be in the ON position concurrently.

[0007] In accordance with another aspect of the invention, a method of controlling fuel flow in a dual fuel generator includes providing a first fuel valve assembly to control fuel flow from a first fuel source to an internal combustion engine of the dual fuel generator, the first fuel valve assembly including a first fuel valve handle movable between an ON position and an OFF position to control fuel flow from the first fuel source to the internal combustion engine. The method also includes providing a second fuel valve assembly to control fuel flow from a second fuel source to the internal combustion engine of the dual fuel generator, the second fuel valve assembly including a second fuel valve handle movable between an ON position and an OFF position to control fuel flow from the second fuel source to the internal combustion engine. The method further includes providing a fuel selector switch adjacent the first fuel valve assembly and the second fuel valve assembly such that the fuel selector switch is translatable to a first position and a second position, wherein the fuel selector switch is translatable between the first position and the second position to selectively inhibit actuation of the first fuel valve handle and the second fuel valve handle, so as to prevent a simultaneous flow of fuels from the first and second fuel sources to the internal combustion engine.

[0008] In accordance with yet another aspect of the invention, a dual fuel generator includes a first fuel source, a second fuel source, and an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom. The dual fuel generator also includes a fuel selector configured to control a flow of fuel from the first and second fuel sources to the internal combustion engine, with the fuel selector comprising a first fuel valve assembly including a first fuel valve and a first fuel valve handle that is actuatable between an open position and a closed position to selectively open and close the first fuel valve, a second fuel valve assembly including a second fuel valve and a second fuel valve handle that is actuatable between an open position and a closed position to selectively open and close the second fuel valve, a selector plate having the first fuel valve assembly and the second fuel valve assembly coupled to a front side thereof, and a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position. Positioning of the selector switch in the first position causes the selector switch to cover the second fuel valve handle so as to prevent the second fuel valve handle from moving to the open position and positioning of the selector switch in the second position causes the selector switch to cover the first fuel valve handle so as to prevent the first fuel valve handle from moving to the open position.

[0009] These and other advantages and features will be more readily understood from the following detailed description of preferred embodiments of the invention that is provided in connection with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] The drawings illustrate embodiments presently contemplated for carrying out the invention.

[0011] In the drawings:

[0012] FIG. 1 is a perspective view of a dual fuel generator, according to an embodiment of the invention.

[0013] FIG. 2 is a partial view of the dual fuel generator of FIG. 1, according to an embodiment of the invention.

[0014] FIG. 3 is a front perspective view of a fuel selector for use with the dual fuel generator of FIG. 1, according to an embodiment of the invention.

[0015] FIG. 4 is a front perspective view of a selector switch for use with the fuel selector of FIG. 3, according to an embodiment of the invention.

[0016] FIG. 5 is a front perspective view of the fuel selector of FIG. 3 with the selector switch in a first position, according to an embodiment of the invention.

[0017] FIG. 6 is a front perspective view of the fuel selector of FIG. 3 with the selector switch in a second position, according to an embodiment of the invention.

DETAILED DESCRIPTION

[0018] Referring first to FIGS. 1 and 2, a dual fuel generator 10 is illustrated, according to an embodiment of the invention – with a perspective view of the generator 10 being shown in FIG. 1 and a more detailed partial view of the generator 10 being shown in FIG. 2 to further illustrate features thereof. Dual fuel generator 10 includes an internal combustible engine 12 operatively connected to an alternator 14 in a conventional manner. The engine 12 includes pistons (not shown) that are slideably received within corresponding cylinders (not shown) thereof, with each cylinder further including an intake valve for admitting a fuel-air mixture and an exhaust valve for venting exhaust gases following combustion. The fuel-air mixture is provided by a carburetor 16 that includes a movable throttle, with a position of the throttle regulating the amount of fuel and air admitted into the cylinders and thus the speed and power developed by the engine 12 when the air-fuel mixture is ignited to generate reciprocal movement of the pistons. The reciprocal movement of the pistons of engine 12 is translated to rotational movement by a crankshaft (not shown) that, in turn, drives the alternator 14, so as to generate an electrical output power from the generator 10.

[0019] As the generator 10 is a dual fuel generator, the engine 12 is designed to use different fuels from either a first fuel source 18 or a second fuel source 20. In an exemplary embodiment of the invention, first fuel source 18 supplies a liquefied petroleum gas (LPG) to the engine 12 and second fuel source 20 supplies gasoline to the engine 12, with the generator 10 selectively operating on LPG or gasoline as desired and controlled by an operator, such as for example operating on LPG for a first period of operation and then switching over to gasoline for another period of operation. However, it is contemplated that the first fuel source 18 and/or second fuel source 20 may be other types of fuel sources (e.g., natural gas, biodiesel, etc.), according to additional embodiments of the invention – and thus the scope of the invention is not meant to be limited strictly to a gasoline-LPG dual fuel embodiment.

[0020] For selectively controlling the flow of gasoline and LPG to the engine 12, dual fuel generator 10 includes a fuel selector 22 constructed to provide for selection of

a desired fuel source 18, 20 for supplying fuel to engine 12. The fuel selector 22 not only provides for selection of a desired fuel source 18, 20 for supplying fuel to engine 12, but also selectively restricts the selection of a fuel source so as to enable the use of only one fuel at a time. As a result, fuel from first fuel source 18 cannot flow to engine 12 while fuel from second fuel source 20 is flowing to engine 12, and vice versa.

[0021] The fuel selector 22 of generator 10 is shown in greater detail in FIGS. 3-6 according to an embodiment of the invention. In general, the fuel selector 22 includes a first valve assembly 24, a second valve assembly 26, a selector plate 28, a selector switch 30, and a carburetor solenoid switch 32. These elements of the fuel selector 22 collectively function to provide for selective control of a fuel flow (of gasoline or LPG) to the engine 12, with the fuel selector 22 enabling selection of a desired fuel source 18, 20 to provide a fuel flow therefrom while also inhibiting the selection of the other fuel source 18, 20 so as to prevent a fuel flow therefrom, thereby enabling only a single fuel to flow to the engine 12 at one time.

[0022] Referring first to FIG. 3, a front view of fuel selector 22 is shown with selector switch 30 removed therefrom, so as to best illustrate the construction of the first valve assembly 24 and the second valve assembly 26. The first valve assembly 24 and the second valve assembly 26 are attached, respectively, to first fuel source 18 and second fuel source 20 to selectively control a flow of fuel from the fuel sources to the engine 12. First valve assembly 24 includes a first fuel valve handle 34 that is operatively connected to a first fuel valve 36 to control an opening and closing of the first fuel valve. Similarly, second valve assembly 26 includes a second fuel valve handle 38 that is operatively connected to a second fuel valve 40 to control an opening and closing of the second fuel valve.

[0023] Each of the first valve assembly 24 and the second valve assembly 26 are movable between an ON position and an OFF position to control opening and closing of their respective fuel valve. More specifically, first and second fuel valve handles 34, 38 are movable between an ON position and an OFF position, with the fuel valves 36, 40 being open (to enable fuel flow to the engine 12) when their respective fuel valve

handle 34, 38 is in the ON position and being closed (to prevent fuel flow to the engine 12) when their respective fuel valve handle 34, 38 is in the OFF position. Thus, when first fuel valve handle 34 is in an ON position, first fuel valve 36 is open and allows the fuel from first fuel source 18 to flow to the engine 12, and when second fuel valve handle 38 is in an ON position, second fuel valve 40 is open and allows the fuel from second fuel source 20 to flow to the engine 12.

[0024] In the preferred embodiments of the invention, first valve assembly 24 and second valve assembly 26 are located adjacent to each other on the same horizontal plane or parallel horizontal planes. In such an embodiment, first valve assembly 24 is in the ON position when first fuel valve handle 34 is moved to a vertical orientation/position and first valve assembly 24 is in an OFF position when first fuel valve handle 34 is moved to a horizontal orientation/position. Similarly, second valve assembly 26 is in the ON position when second fuel valve handle 38 is moved to a vertical orientation/position second valve assembly 26 is in an OFF position when second fuel valve handle 38 is moved to a horizontal orientation/position. It is recognized, however, that an alternative embodiment of the invention may have first valve assembly 24 and second valve assembly 26 located adjacent to each other on the same vertical plane or parallel vertical planes. One having ordinary skill in the art would recognize that in such an alternative embodiment of the invention, first and second valve assemblies 24 would be in the ON position when their respective fuel valve handles 34, 38 are horizontal, and would be in the OFF position when their respective fuel valve handles 34, 38 are vertical.

[0025] As shown in FIG. 3, first valve assembly 24 and second valve assembly 26 are positioned adjacent to the selector plate 28 of fuel selector 22. The selector plate 28 may be integrally formed as part of a larger outer frame assembly of generator 10 or may be an insert attachable to such a frame assembly. Openings 42 are formed in selector plate 28 so as to accommodate positioning of the first valve assembly 24 and second valve assembly 26 – with the openings 42 enabling positioning of first and second fuel valve handles 34, 38 in front of selector plate 28, such that they may be actuated by an operator of the generator 10 in order to open/close their respective valves

36, 40. Selector plate 28 also includes slots or grooves 44 formed therein that are positioned both above and below the first and second fuel valve handles 34, 38, with the slots 44 extending generally in a lengthwise fashion along a length of the selector plate 28. Each of the slots 44 is configured to receive a protrusion or flange formed on selector switch 30, such that the selector switch 30 can be slideably coupled to the selector plate 28 – with the selector switch 30 being translatable in a linear fashion by way of its mating with the slots 44.

[0026] Detailed views of the selector switch 30 and of its mating with the selector plate 28 are shown in FIGS. 4-6. Referring first to FIG. 4, the general structure of selector switch 30 is shown according to an exemplary embodiment. Protrusions or flanges 46 are formed on each of top and bottom surfaces of the selector switch 30 that are configured to mate with the corresponding slots 44 formed in selector plate 28 (FIG. 3). The protrusions 46 may be flexible so as to accommodate coupling of the selector switch 30 to the selector plate 28. A front surface 48 of selector switch 30 includes finger-hold depressions 50 formed therein that accommodate the fingers of an operator, with the finger-holds providing a convenient feature by which the operator can operate (i.e., slide) the selector switch 30. A back surface 52 of the selector switch 30 includes a groove or channel 54 formed therein having a width and depth sufficient to receive the first and second fuel valve handles 34, 38 therein when in their horizontal position (i.e., the OFF position). The groove 54 is further sized and configured such that the first and second fuel valve handles 34, 38 will not fit therein when in their vertical position (i.e., the ON position).

[0027] Positioning of the selector switch 30 relative to the selector plate 28 and first and second valve assemblies 24, 26 is shown in FIGS. 5 and 6. As shown therein, positioning of the first valve assembly 24 and second valve assembly 26 adjacent selector plate 28 – and on the same horizontal plane - provides for selective positioning of the selector switch 30 relative to the fuel valve handles 34, 38 in what are generally referred to hereafter as a first position and a second position 56, 58. The selector switch 30 is translatable in a horizontal motion – via a sliding motion within slots 44 of the selector plate 28 – from the first position 56 (FIG. 5) to the second position 58 (FIG. 6)

to selectively restrict actuation of the first and second fuel valve handles 34, 38. As the groove 54 formed in selector switch 30 is configured such that the first and second fuel valve handles 34, 38 will not fit therein when in their vertical position (i.e., the ON position), it is recognized that in order to translate the selector switch 30 back and forth between the first and second positions 56, 58, both of the fuel valve handles 34, 38 must be in their horizontal OFF position.

[0028] In FIG. 5, selector switch 30 is illustrated in the first position 56. When selector switch 30 is in first position 56, selector switch 30 covers second fuel valve handle 38, and groove 54 formed on the back surface 52 of the fuel selector switch 30 locks second fuel valve handle 38 in an OFF position, so as to prohibit the second valve assembly 26 from moving to the ON position. Further, when selector switch 30 is in first position 56, first valve assembly 24 is able to move freely between the ON position and the OFF position, with the first fuel valve handle 34 being actuatable by the operator. In one embodiment of the invention, when first valve assembly 24 is in the ON position, first fuel valve handle 34 is in a vertical position and prevents selector switch 30 from moving horizontally from first position 56 to second position 58.

[0029] In operation, when selector switch 30 is moved from second position 58 into first position 56, second fuel valve handle 38 slides into the groove 54 formed in selector switch 30. As a result, when selector switch 30 is in first position 56, second fuel valve handle 38 is unable to move, as it is locked in place by groove 54, and second valve assembly 26 is locked in the OFF position, with movement from the OFF position to the ON position being prohibited.

[0030] In FIG. 6, selector switch 30 is illustrated in the second position 58. When selector switch 30 is in second position 58, selector switch 30 covers first fuel valve handle 34, and groove 54 formed on the back surface 52 of the fuel selector switch 30 locks first fuel valve handle 34 in an OFF position, so as to prohibit the first valve assembly 24 from moving to the ON position. In addition, when selector switch 30 is in second position 58, second valve assembly 26 is able to freely move between the ON position and the OFF position, with the second fuel valve handle 38 being actuatable by

the operator. In one embodiment of the invention, when second valve assembly 26 is in the ON position, second fuel valve handle 38 is in a vertical position and prevents selector switch 30 from moving horizontally from second position 58 to first position 56.

[0031] In operation, when selector switch 30 is moved from first position 56 into second position 58, first fuel valve handle 34 slides into groove 54 formed in selector switch 30. Therefore, when selector switch 30 is in second position 58, first fuel valve handle 34 is unable to move, as it is locked in place by groove 54, and first valve assembly 24 is locked in the OFF position, with movement from the OFF position to the ON position being prohibited.

[0032] Referring still now to FIG. 6, according to an exemplary embodiment of the invention, the fuel selector 22 of generator 10 further comprises a carburetor solenoid switch 32 that is positioned within an opening 60 formed in selector plate 28 so as to extend therethrough and is further positioned adjacent second valve assembly 26 (i.e., second fuel valve handle 38). As solenoid switch 32 is located adjacent to the second valve assembly 26 – which is in turn connected to the gasoline fuel source 20 – selector switch 30 covers and triggers solenoid switch 32 when slid from the second position 58 to the first position 56 – by depressing the solenoid switch 32 as it comes in contact therewith. When solenoid switch 32 is triggered, a carburetor shutoff solenoid operatively connected to the solenoid switch 32 is activated and shuts off the flow of gasoline to the carburetor 16 (FIG. 2). In the preferred embodiment of the invention, solenoid switch 32 is a depressible switch, but it is contemplated that solenoid switch 32 may be another type of switch that can be activated via interaction with selector switch 30 or via interaction with either valve handle 34, 38, so as to activate the carburetor shutoff solenoid.

[0033] Beneficially, the design of the fuel selector 22 and of the selector switch 30 described herein prevents differing fuels from two separate fuel sources from flowing to the engine of a dual fuel generator at the same time. The interaction of the selector switch 30 with the first and second fuel valve assemblies 24, 26 – with the selector

switch 30 sliding back and forth to selectively cover/engage first and second fuel valve assemblies 24, 26 - prohibits both valve assemblies from being in the “ON” position at the same time. The selector switch 30 is thus a foolproof device that prevents the mixing of fuels so as to provide additional safety to the usage of dual fuel generators.

[0034] Therefore, according to one embodiment of the invention, a fuel selector for use with a dual fuel generator includes a selector plate, a first fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a first fuel flow to an engine of the dual fuel generator, and a second fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a second fuel flow to the engine of the dual fuel generator. The fuel selector also includes a selector switch coupled to the selector plate so as to be linearly translatable from a first position to a second position, wherein translation of the selector switch between the first and second positions enables positioning of only one of the first fuel valve assembly and the second fuel valve assembly in the ON position at a given time, such that the first and second fuel valve assemblies cannot be in the ON position concurrently.

[0035] According to another embodiment of the invention, a method of controlling fuel flow in a dual fuel generator includes providing a first fuel valve assembly to control fuel flow from a first fuel source to an internal combustion engine of the dual fuel generator, the first fuel valve assembly including a first fuel valve handle movable between an ON position and an OFF position to control fuel flow from the first fuel source to the internal combustion engine. The method also includes providing a second fuel valve assembly to control fuel flow from a second fuel source to the internal combustion engine of the dual fuel generator, the second fuel valve assembly including a second fuel valve handle movable between an ON position and an OFF position to control fuel flow from the second fuel source to the internal combustion engine. The method further includes providing a fuel selector switch adjacent the first fuel valve assembly and the second fuel valve assembly such that the fuel selector switch is translatable to a first position and a second position, wherein the fuel selector switch is translatable between the first position and the second position to selectively inhibit

actuation of the first fuel valve handle and the second fuel valve handle, so as to prevent a simultaneous flow of fuels from the first and second fuel sources to the internal combustion engine.

[0036] According to yet another embodiment of the invention, a dual fuel generator includes a first fuel source, a second fuel source, and an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom. The dual fuel generator also includes a fuel selector configured to control a flow of fuel from the first and second fuel sources to the internal combustion engine, with the fuel selector comprising a first fuel valve assembly including a first fuel valve and a first fuel valve handle that is actuatable between an open position and a closed position to selectively open and close the first fuel valve, a second fuel valve assembly including a second fuel valve and a second fuel valve handle that is actuatable between an open position and a closed position to selectively open and close the second fuel valve, a selector plate having the first fuel valve assembly and the second fuel valve assembly coupled to a front side thereof, and a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position. Positioning of the selector switch in the first position causes the selector switch to cover the second fuel valve handle so as to prevent the second fuel valve handle from moving to the open position and positioning of the selector switch in the second position causes the selector switch to cover the first fuel valve handle so as to prevent the first fuel valve handle from moving to the open position.

[0037] While the invention has been described in connection with only a limited number of embodiments, it should be readily understood that the invention is not limited to such disclosed embodiments. Rather, the invention can be modified to incorporate any number of variations, alterations, substitutions or equivalent arrangements not heretofore described, but which are commensurate with the spirit and scope of the invention. Additionally, while various embodiments of the invention have been described, it is to be understood that aspects of the invention may include only some of the described embodiments. Accordingly, the invention is not to be seen as limited by the foregoing description, but is only limited by the scope of the appended claims.

CLAIMS

WHAT IS CLAIMED IS:

1. A dual fuel generator comprising:
 - an internal combustion engine couplable to a first fuel source and a second fuel source to selectively receive fuel therefrom; and
 - a fuel selector configured to control a flow of fuel to the internal combustion engine, the fuel selector comprising:
 - a selector plate;
 - a first fuel valve assembly positioned adjacent to the selector plate and including a first fuel valve and a first fuel valve handle, the first fuel valve handle being actuatable between an ON position and an OFF position to selectively open and close the first fuel valve;
 - a second fuel valve assembly positioned adjacent to the selector plate and including a second fuel valve and a second fuel valve handle, the second fuel valve handle being actuatable between an ON position and an OFF position to selectively open and close the second fuel valve;
 - a selector switch slidably coupled to the selector plate so as to be movable between:
 - a first position in which the selector switch covers the second fuel valve handle so as to prevent actuation of the second valve handle to the ON position; and
 - a second position in which the selector switch covers the first valve handle so as to prevent actuation of the first valve handle to the ON position; and
 - a carburetor fuel shutoff solenoid that is activated when the selector switch is in the first position.

2. The dual fuel generator of claim 1 wherein:

the first fuel valve assembly is configured to couple to a liquefied petroleum gas (LPG) fuel source; and

the second fuel valve assembly is configured to couple to a gasoline source.

3. The dual fuel generator of claim 1 wherein:
the selector plate comprises first and second openings;
the first valve assembly extends through the first opening of the selector plate; and
the second valve assembly extends through the second opening of the selector plate.

4. The dual fuel generator of claim 1 wherein the selector switch comprises:
a front side;
a back side; and
a groove located on the back side and configured to:
prohibit actuation of the first fuel valve handle to the ON position when the selector switch is in the second position; and
prohibit actuation of the second fuel valve handle to the ON position when the selector switch is in the first position.

5. The dual fuel generator of claim 4 wherein the groove is configured to prevent movement of the selector switch from the first position to the second position and from the second position to the first position unless the first and second fuel valve handles are both in the OFF position.

6. The dual fuel generator of claim 1 wherein the first and second valve handles are in the ON position when positioned vertically and in the OFF position when positioned horizontally.

7. A fuel selector for use with a dual fuel generator, the fuel selector comprising:

a valve assembly fluidly couplable to each of a first fuel source and a second fuel source and operable to selectively control a first fuel flow and a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator, the valve assembly comprising:

a first mechanical fuel valve having open and closed positions to selectively control the first fuel flow to the engine; and

a second mechanical fuel valve having open and closed positions to selectively control the second fuel flow to the engine; and

a selector switch movable with respect to the valve assembly to allow a user to manually select the first fuel flow or the second fuel flow.

8. The fuel selector of claim 7 wherein the selector switch provides for manual actuation of the first fuel valve and the second fuel valve between the open and closed positions.

9. The fuel selector of claim 8 further comprising:

a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively actuate the first fuel valve between the open position and the closed position, respectively; and

a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively actuate the second fuel valve between the open position and the closed position, respectively;

wherein the selector switch is positioned relative to the first and second valve handles so as to provide for only one of the first and second valve handles to be in the ON position at a given time.

10. The fuel selector of claim 9 further comprising a selector plate positioned adjacent to the first and second valve handles;

wherein the selector switch is coupled to the selector plate so as to be movable between a first position and a second position, with movement of the selector switch between the first and second positions enabling positioning of only one of the first and second valve handles in the ON position at a given time.

11. The fuel selector of claim 10 wherein:

when the selector switch is in the first position, the first valve handle is actuatable between the ON position and the OFF position, and the second valve handle is prohibited from being in the ON position; and

when the selector switch is in the second position, the first valve handle is prohibited from being in the ON position, and the second valve handle is actuatable between the ON position and the OFF position.

12. The fuel selector of claim 10 further comprising a carburetor solenoid switch extending through an opening in a front surface of the selector plate and comprising a depressible switch configured to activate an associated solenoid when depressed.

13. The fuel selector of claim 12 wherein, when the selector switch is in the first position and prohibiting the second valve handle from being in the ON position, the selector switch depresses the carburetor solenoid switch so as to activate the carburetor solenoid and prohibit the second fuel flow to the engine.

14. The fuel selector of claim 7 wherein:

the first fuel valve is couplable to a liquefied petroleum gas (LPG) fuel source; and

the second fuel valve is couplable to a gasoline source.

15. A fuel selector for use with a dual fuel generator, the fuel selector comprising:

a valve assembly fluidly couplable to each of a first fuel source and a second fuel source and operable to selectively control a first fuel flow and a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator, the valve assembly comprising:

a first fuel valve having open and closed positions to selectively control the first fuel flow to the engine; and

a second fuel valve having open and closed positions to selectively control the second fuel flow to the engine; and

at least one valve handle mechanically coupled to the first fuel valve and the second fuel valve to selectively open and close the first fuel valve and the second fuel valve responsive to actuation thereof so as to enable the first fuel flow to the engine or the second fuel flow to the engine.

16. The fuel selector of claim 15 wherein the at least one valve handle enables only one of the first and second fuel flows to the engine at a given time.

17. The fuel selector of claim 15 wherein the at least one valve handle comprises:

a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively actuate the first fuel valve between the open position and the closed position, respectively; and

a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively actuate the second fuel valve between the open position and the closed position, respectively.

18. The fuel selector of claim 17 further comprising a selector switch positioned relative to the first and second valve handles so as to provide for only one of the first and second valve handles to be in the ON position at a given time.

19. The fuel selector of claim 18 further comprising a selector plate positioned adjacent to the first and second valve handles;

wherein the selector switch is coupled to the selector plate so as to be movable between a first position to a second position, with movement of the selector switch between the first and second positions enabling positioning of only one of the first and the second valve handles in the ON position at a given time.

20. The fuel selector of claim 19 wherein:

when the selector switch is in the first position, the first valve handle is actuatable between the ON position and the OFF position, and the second valve handle is prohibited from being in the ON position; and

when the selector switch is in the second position, the first valve handle is prohibited from being in the ON position, and the second valve handle is actuatable between the ON position and the OFF position.

21. A fuel selector of a dual fuel generator comprising:

a valve assembly fluidly couplable to each of a first fuel source and a second fuel source and operable to selectively control a first fuel flow and a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator;

a selector switch having a first fuel mode and a second fuel mode;

a fuel solenoid having open and closed positions; and

a solenoid switch having open and closed positions;

wherein, when the selector switch is in the first fuel mode, the solenoid switch and the fuel solenoid are in the closed positions;

wherein, when the selector switch is in the second fuel mode, the solenoid switch and the fuel solenoid are in the open positions; and

wherein positioning of the selector switch in the first fuel mode and the second fuel mode enables a selection of the first fuel flow or the second fuel flow.

22. The fuel selector of claim 21 wherein:

positioning the selector switch in the first fuel mode enables the selection of the first fuel flow; and

positioning the selector switch in the second fuel mode enables the selection of the second fuel flow.

23. The fuel selector of claim 21 wherein the selector switch triggers the solenoid switch when changed from the second fuel mode to the first fuel mode so as to cause the solenoid switch and the fuel solenoid to operate in the closed positions.

24. The fuel selector of claim 21 wherein the fuel solenoid is a carburetor shutoff solenoid.

25. The fuel selector of claim 21 wherein the selector switch is positioned adjacent to the valve assembly.

26. The fuel selector of claim 21 wherein the valve assembly comprises:
two fuel inputs comprising:
a first fuel input couplable to the first fuel source; and
a second fuel input couplable to the second fuel source; and
two fuel outputs for selectively supplying fuel to the engine from the first fuel source or the second fuel source.

27. The fuel selector of claim 26 wherein the two fuel outputs selectively supply fuel to the engine from only one of the first and second fuel sources responsive to selection of the first fuel flow or the second fuel flow via the selector switch and a corresponding operation of the valve assembly.

28. The fuel selector of claim 26 wherein the valve assembly comprises:
a first fuel valve having open and closed positions to selectively control the first fuel flow to the engine; and
a second fuel valve having open and closed positions to selectively control the second fuel flow to the engine.

29. The fuel selector of claim 28 further comprising:

a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively actuate the first fuel valve between the open position and the closed position, respectively; and

a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively actuate the second fuel valve between the open position and the closed position, respectively.

30. A fuel selector for use with a dual fuel generator, the fuel selector comprising:

a valve assembly fluidly couplable to each of a first fuel source and a second fuel source and operable to selectively control a first fuel flow and a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator, the valve assembly comprising:

two fuel inputs comprising:

a first fuel input couplable to the first fuel source; and

a second fuel input couplable to the second fuel source;

and

two fuel outputs configured to selectively supply fuel to the engine from the first fuel source or the second fuel source; and

a selector switch positioned on the valve assembly to allow a user to manually select the first fuel flow or the second fuel flow.

31. The fuel selector of claim 30 wherein the two fuel outputs are configured to selectively supply fuel to the engine from only one of the first and second fuel sources responsive to selection of the first fuel flow or the second fuel flow via the selector switch and a corresponding operation of the valve assembly.

32. The fuel selector of claim 30 wherein the valve assembly comprises:

a first fuel valve having open and closed positions to selectively control the first fuel flow to the engine; and

a second fuel valve having open and closed positions to selectively control the second fuel flow to the engine.

33. The fuel selector of claim 32 further comprising:

a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively actuate the first fuel valve between the open position and the closed position, respectively; and

a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively actuate the second fuel valve between the open position and the closed position, respectively.

34. The fuel selector of claim 32 wherein the first fuel valve and the second fuel valve are non-solenoid, mechanical valves.

35. The fuel selector of claim 32 wherein the selector switch provides for manual actuation of the first fuel valve and the second fuel valve between the open and closed positions.

36. The fuel selector of claim 30 further comprising a carburetor solenoid switch configured to activate an associated carburetor solenoid when actuated.

37. The fuel selector of claim 36 wherein, when the selector switch is in a first position, the selector switch actuates the carburetor solenoid switch so as to activate the carburetor solenoid and prohibit the second fuel flow to the engine.

38. The fuel selector of claim 37 wherein, when the selector switch is in a second position, the carburetor solenoid allows the second fuel flow to the engine.

ABSTRACT

A fuel selector for use with a dual fuel generator includes a selector plate, a first fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a first fuel flow to an engine of the dual fuel generator, and a second fuel valve assembly positioned adjacent the selector plate and actuatable between an ON position and an OFF position to selectively control a second fuel flow to the engine of the dual fuel generator. A selector switch coupled to the selector plate is linearly translatable from a first position to a second position, so as to enable positioning of only one of the first fuel valve assembly and the second fuel valve assembly in the ON position at a given time, such that the first and second fuel valve assemblies cannot be in the ON position concurrently.

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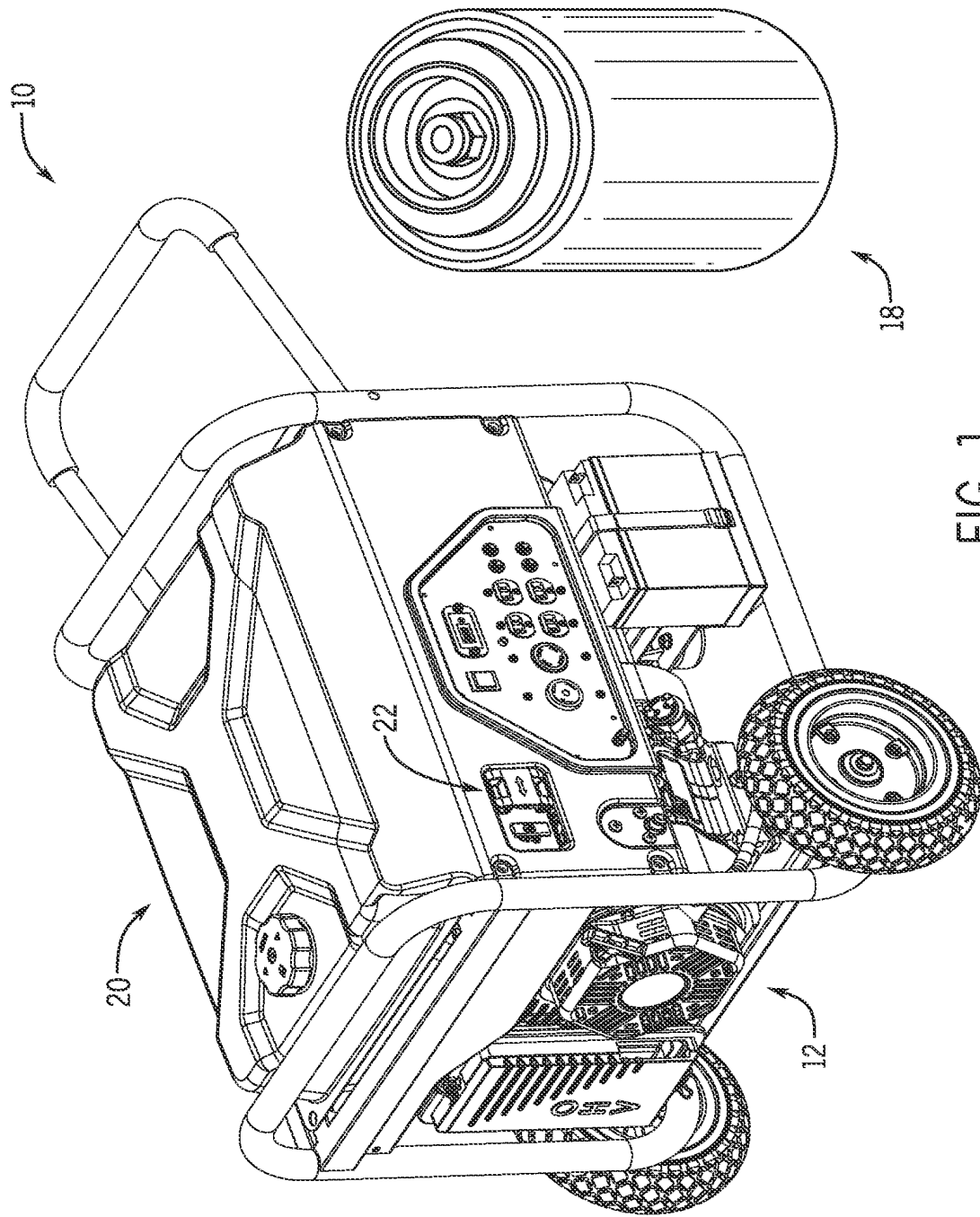
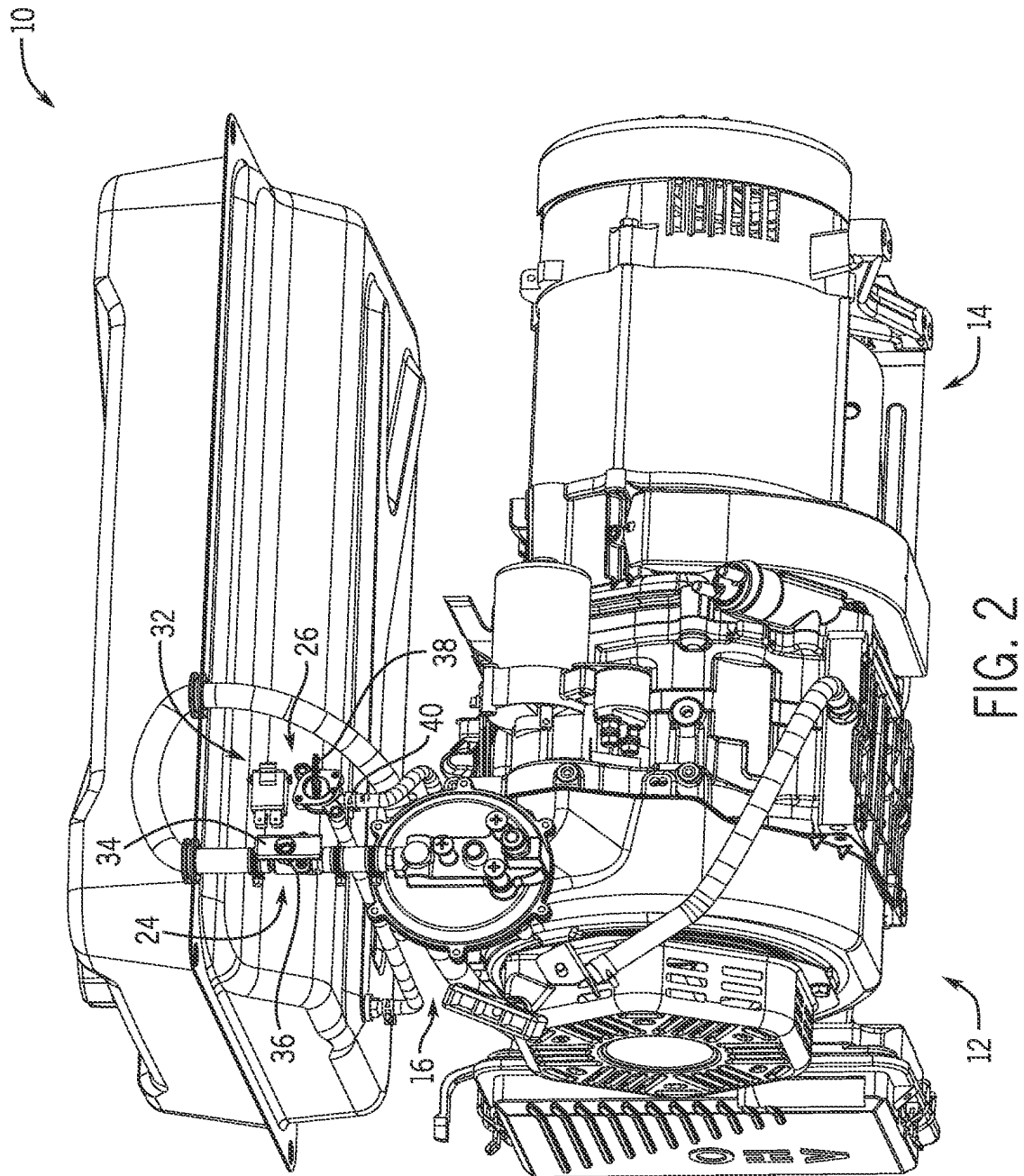


FIG. 1



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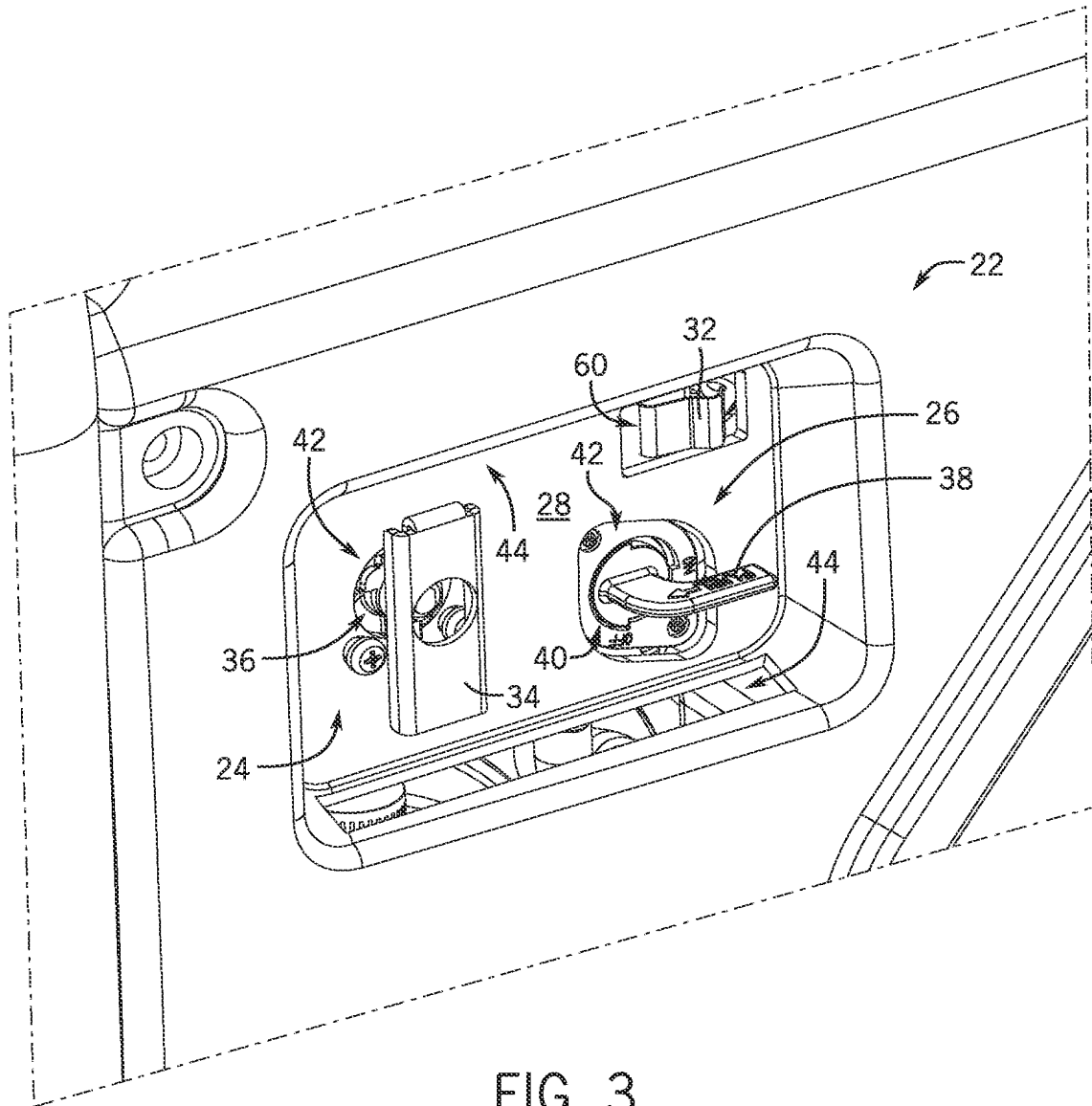


FIG. 3

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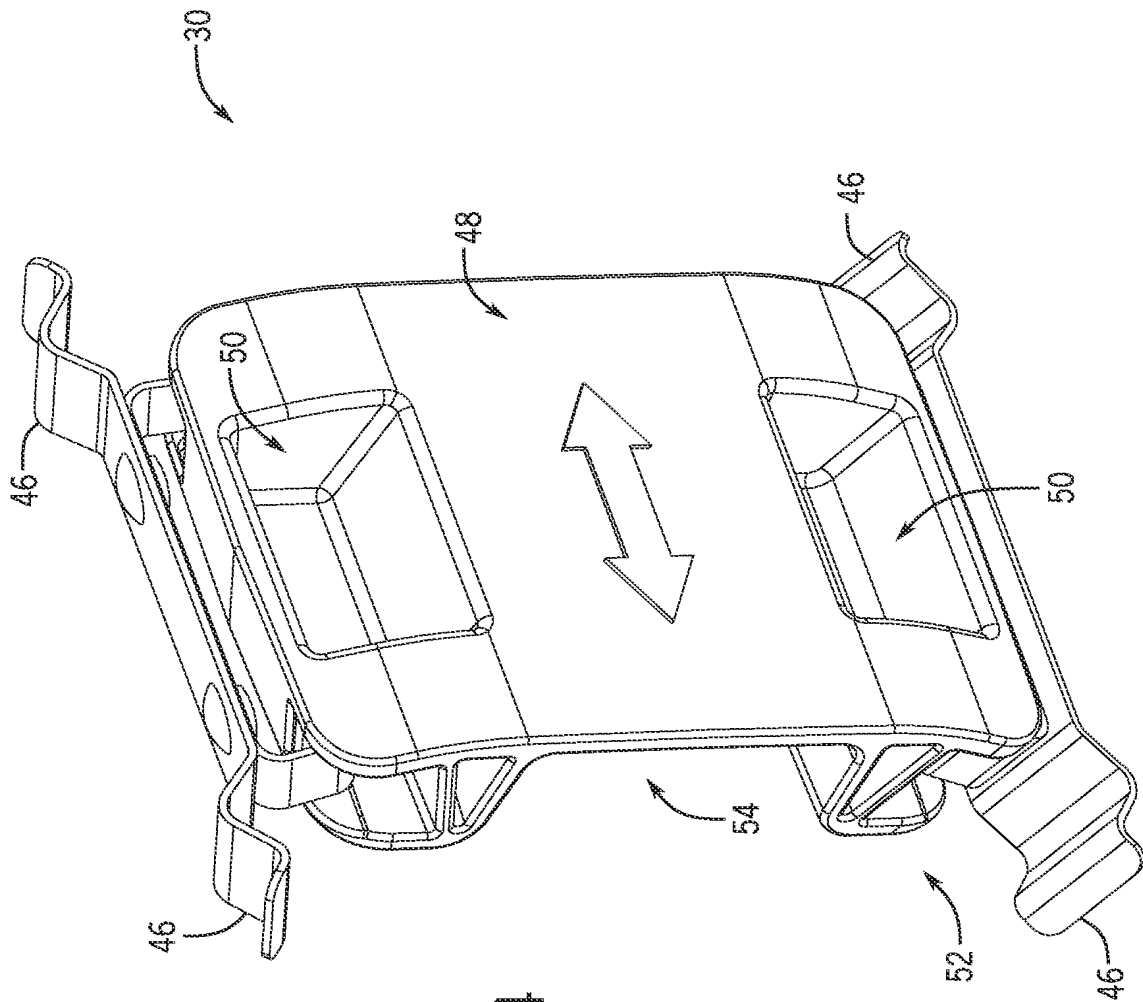


FIG. 4

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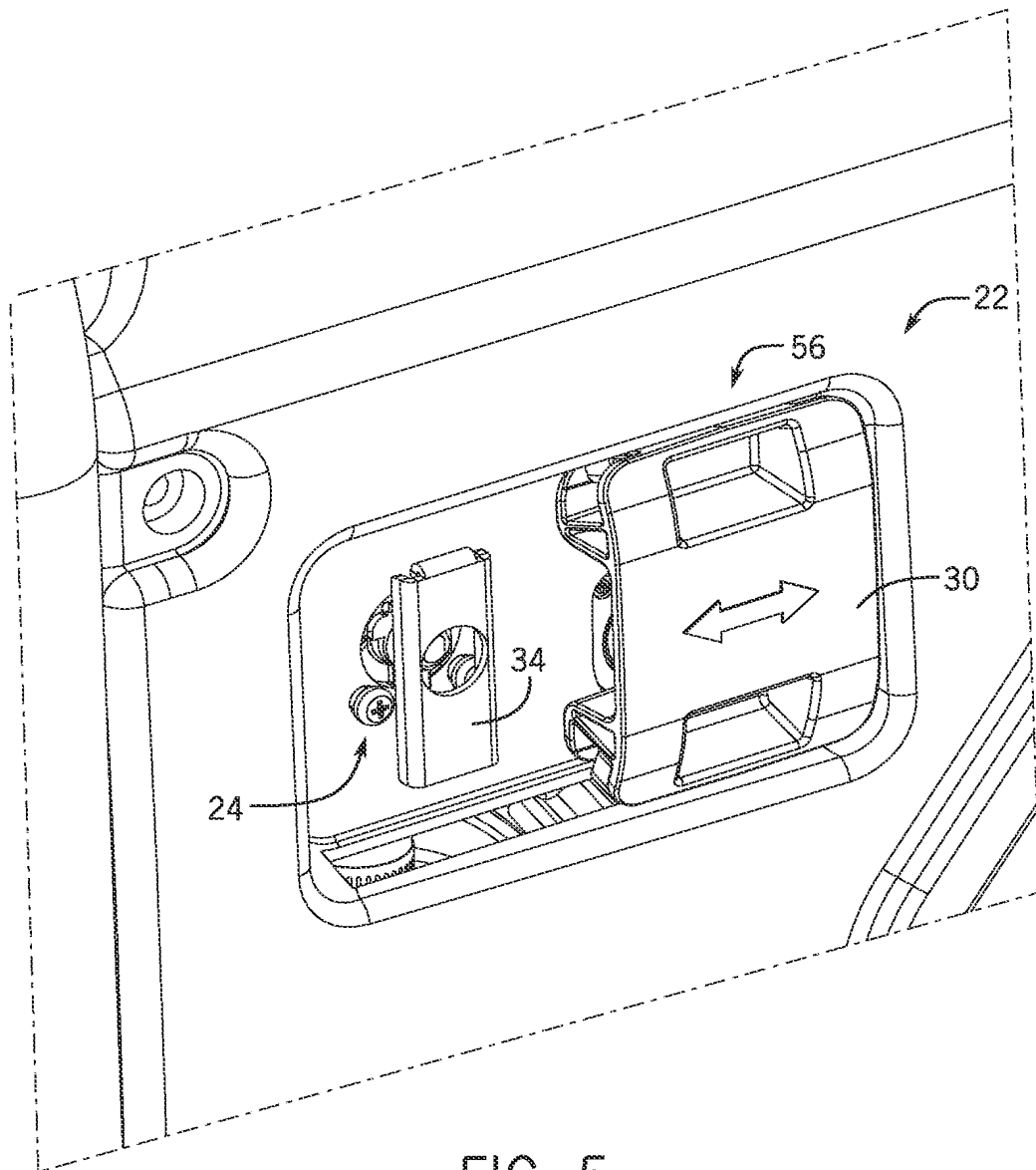


FIG. 5

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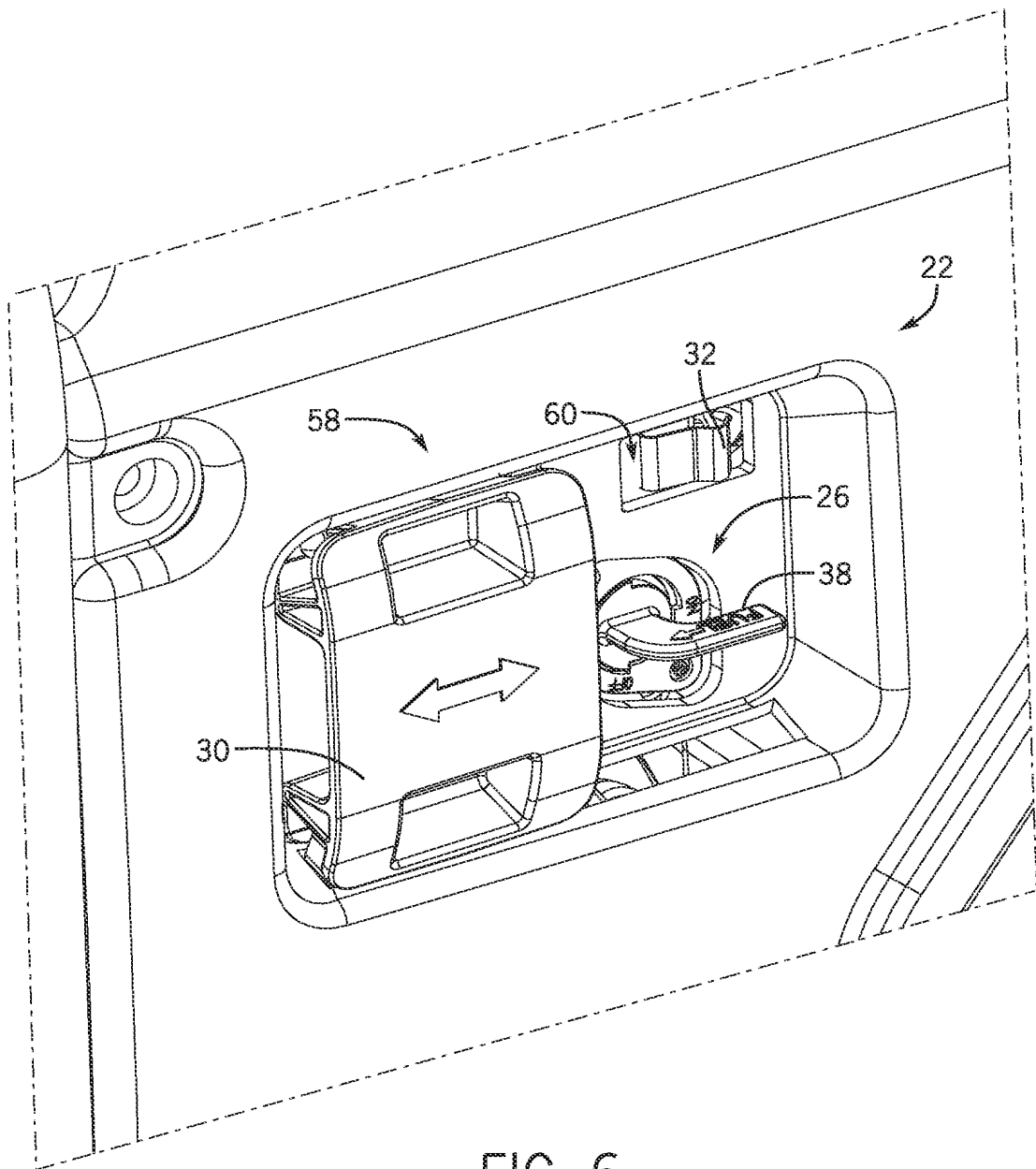


FIG. 6

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)



I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

26629

OR



I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:



The address associated with the above-mentioned Customer Number

OR



The address associated with Customer Number:

OR



Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)



Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

01-05-2019

Name

Dennis Trine

Title

Chief Executive Officer, Champion Power Equipment, Inc.

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.



Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. This information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor	1				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Mark	J.	Sarder		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Waukesha	State/Province	WI	Country of Residence	US

Mailing Address of Inventor:

Address 1	208 Oxford Rd				
Address 2					
City	Waukesha	State/Province	WI		
Postal Code	53186	Country	US		

Inventor	2				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Leigh		Jenison		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Hartland	State/Province	WI	Country of Residence	US

Mailing Address of Inventor:

Address 1	W245 N5551 S Corp. Circle				
Address 2					
City	Sussex	State/Province	WI		
Postal Code	53089	Country	US		

Inventor	3				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Ian		Schmit		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					

Petitioner Ex 1002 094

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

City	Cedarburg	State/Province	WI	Country of Residence	US
------	-----------	----------------	----	----------------------	----

Mailing Address of Inventor:

Address 1	W245 N5551 S Corp. Circle				
Address 2					
City	Sussex	State/Province	WI		
Postal Code	53089	Country	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	26629		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	DUAL FUEL SELECTOR SWITCH		
Attorney Docket Number	CET1090.103	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Petitioner Ex 1002 095

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	26629		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending				Remove
Application Number	Continuity Type		Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)	
	Continuation of		17651245	2022-02-16	
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17651245	Continuation of	16789722	2020-02-13	11306667	2022-04-19
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16789722	Continuation of	15015205	2016-02-04	10598101	2020-03-24
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15015205	Continuation of	14069747	2013-11-01	9435273	2016-09-06
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear		
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
Name of the Deceased or Legally Incapacitated Inventor:		
If the Applicant is an Organization check here. ☒		
Organization Name	Champion Power Equipment, Inc.	
Mailing Address Information For Applicant:		
Address 1	12039 Smith Avenue	
Address 2		
City	Santa Fe Springs	State/Province
Country	US	Postal Code
Phone Number		Fax Number
Email Address		
Additional Applicant Data may be generated within this form by selecting the Add button. Add		

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country ⁱ		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Jacob M. Fritz/		Date (YYYY-MM-DD)	2023-06-07
First Name	Jacob M.	Last Name	Fritz	Registration Number
				71459
Additional Signature may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	CET1090.103
		Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov**ELECTRONIC ACKNOWLEDGEMENT RECEIPT**APPLICATION #
18/330,807RECEIPT DATE / TIME
06/07/2023 03:49:53 PM ETATTORNEY DOCKET #
CET1090.103**Title of Invention**

DUAL FUEL SELECTOR SWITCH

Application InformationAPPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 62226117

FILING DATE -

CUSTOMER # 26629

FIRST NAMED
INVENTOR Mark J. SarderCORRESPONDENCE
ADDRESS -

AUTHORIZED BY Jacob Fritz

Documents**TOTAL DOCUMENTS: 8**

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
2023.06.07 ADS.pdf		9	Application Data Sheet	1196 KB
2023.06.07 Pat App.pdf		23	-	131 KB
2023.06.07 Pat App-SPEC.pdf	(1-13)	13	Specification	111 KB
2023.06.07 Pat App-CLM.pdf	(14-22)	9	Claims	61 KB
2023.06.07 Pat App-ABST.pdf	(23-23)	1	Abstract	47 KB
2023.06.07 Declaration.pdf		3	Oath or Declaration filed	909 KB

2023.06.07 POA Transmittal.pdf	1	Power of Attorney	153 KB
2023.06.07 Formal Figures.pdf	6	Drawings-only black and white line drawings	7144 KB
2023.06.07 General POA.pdf	1	Power of Attorney	532 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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2023.06.07 General POA.pdf EEE57956C00EA36439F3ECE88A916468E3E89FD7148120590B
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If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
18/330,807

RECEIPT DATE / TIME
06/07/2023 03:49:53 PM ET

ATTORNEY DOCKET #
CET1090.103

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 7935

FILED BY Robyn Templin

PATENT CENTER # 62226117

AUTHORIZED BY Jacob Fritz

CUSTOMER # 26629

FILING DATE -

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Mark J. Sarder

Payment Information

PAYMENT METHOD
CARD / 4529

PAYMENT TRANSACTION ID
E202367F52168223

PAYMENT AUTHORIZED BY
Robyn Templin

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2111	UTILITY PATENT APPL. SEARCH FEE	280.00	1	280.00
4011	BASIC FILING FEE- UTILITY	64.00	1	64.00
2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	320.00	1	320.00
2202	EACH CLAIM IN EXCESS OF 20	40.00	18	720.00
2201	EACH INDEPENDENT CLAIM IN EXCESS OF THREE	192.00	2	384.00

TOTAL
AMOUNT: \$1,768.00

Petitioner Ex 1002 106

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