UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

26629 7590 09/19/2023

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

EXAMINER
HASAN, SYED O

ART UNIT	PAPER NUMBER
3747	

NOTIFICATION DATE	DELIVERY MODE
09/19/2023	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

Petitioner Ex 1053 001

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.
17/651,245	19-Sep-2023	11761390

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

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	09/19/2023	11761390	CET1090.082	8244

26629 7590 08/30/2023

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.

Petitioner Ex 1053 004

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	**08/14/2023 09:26:04 AM ET**	**CET1090.082**

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	62608394	AUTHORIZED BY	Timothy Ziolkowski
CUSTOMER #	26629	FILING DATE	02/16/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Mark J. Sarder

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 4529	E20238D027056101	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.

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.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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)

26629 7590 08/03/2023

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

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 EFS-Web or by facsimile to (571) 273-2885, on the date below.

Robyn L. Templin	(Typed or printed name)
/Robyn L. Templin/	(Signature)
August 14, 2023	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

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	11/03/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
HASAN, SYED O	3747	137-295000

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: Champion Power Equipment, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): 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 Patent Center or EFS-Web ☐ 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

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.

☐ Applicant asserting small entity status. See 37 CFR 1.27

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.

☐ Applicant changing to regular undiscounted fee 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. Ziołkowski/ Date August 14, 2023

Typed or printed name Timothy J. Ziołkowski Registration No. 38,368

Petitioner Ex 1053 007

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	**08/14/2023 09:26:04 AM ET**	**CET1090.082**

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	62608394	FILING DATE	02/16/2022
CUSTOMER #	26629	FIRST NAMED INVENTOR	Mark J. Sarder
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Timothy Ziolkowski

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2023.08.14 Issue Fee.pdf	1	Issue Fee Payment (PTO-85B)	201 KB
2023.08.14 Comments on Reasons.pdf	2	Miscellaneous Incoming Letter	102 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2023.08.14 Issue Fee.pdf	ADCF1AB0C8DFEACB9ABE15518052765070BD86393A184E456 56C81229DCD87700ABDCA98E82C58A64AA2AA19B00F3ADE9 226C11E922647E171AF435332E68227

2023.08.14 Comments on Reasons.pdf	649F18A9D7EF9CD204A356B9CF602F673D589A91C3431DEEB172C39072F8701CFC9A043FAE0E0ACBD3FB3E09444FF4B854966208EB2B16556F1074D666D5BD87

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.

Customer No. 26629 Patent
Confirmation No. 8244 Attorney Docket No. CET1090.082

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	17/651,245
Filed	:	February 16, 2022
For	:	DUAL FUEL SELECTOR SWITCH
Group Art No.	:	3747
Examiner	:	Syed O. Hasan

CERTIFICATION UNDER 37 C.F.R. §§1.8(a) AND 1.10

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

Mailing

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

37 C.F.R. §1.8(a)
☐ with sufficient postage as first class mail.

37 C.F.R. §1.10
☐ as "Priority Mail Express® 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 Patent Center addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

Date: August 14, 2023 Signature: /Robyn L. Templin/

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

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Dear Examiner Syed O. Hasan:

Responsive to the Notice of Allowability mailed August 3, 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 believes that a separate Statement of Reasons for Allowance is unnecessary in the present case as the file history sufficiently sets forth the patentable distinctions of claims 1-21.

The patentability of claims 1-21 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 stands by its position previously set forth in the file history.

Applicant does not acquiesce to the accuracy of the Examiner's statements in the Reasons for Allowance or the Examiner's partial paraphrasing of the claim elements.

Applicant appreciates entry of these remarks and 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@zpatents.com

Dated: August 14, 2023
Attorney Docket No.: CET1090.082

P.O. ADDRESS:
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

Petitioner Ex 1053 011

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

26629 7590 08/03/2023

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: 08/03/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

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	11/03/2023

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.

Petitioner Ex 1053 012

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

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)

26629 7590 08/03/2023

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

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 EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

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	11/03/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
HASAN, SYED O	3747	137-295000

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 _____
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)

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 Patent Center or EFS-Web ❑ 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

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.

❑ Applicant asserting small entity status. See 37 CFR 1.27

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.

❑ Applicant changing to regular undiscounted fee 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 _____ Date _____

Typed or printed name _____ Registration No. _____

Petitioner Ex 1053 013

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

26629 7590 08/03/2023

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: 08/03/2023

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.

Petitioner Ex 1053 014

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. 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 disclosure of these records is required by the Freedom of Information Act.
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 inspection 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.

Notice of Allowability	Application No. 17/651,245	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 7/6/2023.
   ☐ 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 1-21 . 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

1. This action is in response to applicant's amendment received on 7/6/2023. Amended claims 1-3, 5-6, 8, 10-11, 18, and 20 are acknowledged and the following notice of allowability is provided.

Notice of Pre-AIA or AIA Status

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

Allowable Subject Matter

3. Claims 1-21 are allowed.

4. The following is an examiner's statement of reasons for allowance: There is no prior art that teaches all the limitations of claim 1, but more specifically, a selector switch for a dual fuel generator that has a first fuel mode delivering fuel from a first fuel source and a second fuel mode delivering a second fuel from a second fuel source, a fuel solenoid having open and closed positions and a solenoid switch having a closed position to activate the fuel solenoid, in which the solenoid switch is in the closed position when the selector switch is in the first fuel mode and the solenoid switch is open when the selector switch is in the second fuel mode.

There is no prior art that teaches all the limitations of claim 11, but more specifically, a duel fuel generator that has a valve assembly connected to a first fuel source and a second fuel source, in which the valve assembly comprising a first selector switch to selectively control a first fuel flow and a second selector switch to selectively control a second fuel flow to an engine, an interlock positioned on the valve

assembly to prevent simultaneous operation for the first selector switch and the second selector switch.

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

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

6. 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.

/SYED O HASAN/
Primary Examiner, Art Unit 3747
7/27/2023

Notice of References Cited	Application/Control No. 17/651,245	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 MM-YYYY	Name	CPC Classification	US Classification
*	A	US-4297742-A	10-1981	Heitzman; Gary N.	F02D17/04	361/194
*	B	US-20040246118-A1	12-2004	Tharman, Paul A.	F01M11/12	340/450
*	C	US-4489699-A	12-1984	Poehlman; Arthur G.	F02B69/04	48/180.1
*	D	US-20060169238-A1	08-2006	Mazuka; Naoto	F02B63/04	290/1A
*	E	US-20040240141-A1	12-2004	Stolt, Peter E.	H01H47/18	361/160
*	F	US-20020125115-A1	09-2002	Burkholder, Robert F.	H01R13/465	200/51.11
*	G	US-20070137591-A1	06-2007	Sugimoto; Yasuhiro	F02M21/06	123/527
*	H	US-3696333-A	10-1972	Mott; Willard	F02N11/0803	340/425.5
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	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 MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC - Searched*		
Symbol	**Date**	**Examiner**
F02D19/0676,19/0613,19/0647,29/06,19/0681,F02M21/0293,21/0236,13/08,FO2B53/00,63/00,H02K1/22	09/09/2022	/S.O.H/
Updated Search	03/31/2023	/S.O.H/
Updated Search	07/27/2023	

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	09/09/2022	/S.O.H/
SEARCH strategy attached. Inventor name searches performed.	09/09/2022	/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.	07/27/2023	/S.O.H/

/SYED O HASAN/ Primary Examiner, Art Unit 3747	/SYED O HASAN/ Primary Examiner, Art Unit 3747

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	**Art Unit**
	SYED O HASAN	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**	**Ranking**	**Version**
	/		/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	21	
/SYED O HASAN/ Primary Examiner, Art Unit 3747	27 July 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20230727

Petitioner Ex 1053 022

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	**Art Unit**
	SYED O HASAN	3747

INTERNATIONAL CLASSIFICATION					
CLAIMED					
F02D	/	19	/	06	

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE (Assistant Examiner) (Date)	**Total Claims Allowed:** 21	
/SYED O HASAN/ Primary Examiner, Art Unit 3747 (Primary Examiner) 27 July 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	**Art Unit**
	SYED O HASAN	3747

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19										
2	2	11	11	20	20										
3	3	12	12	21	21										
4	4	13	13												
5	5	14	14												
6	6	15	15												
7	7	16	16												
8	8	17	17												
9	9	18	18												

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 21	
/SYED O HASAN/ Primary Examiner, Art Unit 3747 (Primary Examiner)	27 July 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	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	09/09/2022	04/02/2023	07/27/2023						
1	1	✓	✓	=						
2	2	✓	✓	=						
3	3	O	O	=						
4	4	O	O	=						
5	5	O	O	=						
6	6	O	O	=						
7	7	O	O	=						
8	8	O	O	=						
9	9	✓	✓	=						
10	10	O	O	=						
11	11	✓	=	=						
12	12	✓	=	=						
13	13	✓	=	=						
14	14	✓	=	=						
15	15	O	=	=						
16	16	✓	=	=						
17	17	O	=	=						
18	18	O	=	=						
19	19	O	=	=						
20	20	✓	=	=						
21	21		=	=						

Bibliographic Data

Application No: 17/651,245

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.
02/16/2022	137	3747	
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 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

IF REQUIRED, FOREIGN LICENSE GRANTED**

02/22/2022

**** SMALL ENTITY ****

STATE OR COUNTRY

UNITED STATES

ADDRESS

FILING FEE RECEIVED

$830

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

		near3 switch) and (LPG near20 gasoline)	USOCR; FPRS; EPO; JPO; DERWENT)				03:53 PM
L32	321499	(select$4 near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	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").URPN.	(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

							04:38 PM
L50	0	48/180R.ccls.	(USPAT)	OR	OFF	OFF	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"|"20130098349"|"20060169238"|"20040240141"|"4489699").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

		(fuel))	JPO; DERWENT)				
L66	98	(generator).ti. and ((dual or multiple) near3 (fuel)) and (engine)	(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

		near3 switch)	JPO; DERWENT)				
L84	52	(gaseous near3 fuel) same (fuel near3 select$4 near3 switch)	(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").URPN.	(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

		bi) near3 (fuel)) same (valve) same (user or operator or manual or manually))	JPO; DERWENT)				
L124	310	(((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").URPN.	(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

		01").PN.					
L155	10	(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	gneerator 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

		switch))					
L166	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 02:41 PM
L167	14	("2006/0065216").URPN.	(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"|"4287908"|"4364370"|"4416244"|"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

		near3 fuel))					
L194	26	(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;9435273).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

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L206	18	(dual near3 fuel) AND ((solenoid ADJ 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, 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

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))	(USPAT)	OR	OFF	OFF	2016/04/21 07:37 PM

		same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.					
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

Customer No. 26629 Patent
Confirmation No. 8244 Attorney Docket No. CET1090.082

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	17/651,245
Filed	:	February 16, 2022
For	:	DUAL FUEL SELECTOR SWITCH
Group Art No.	:	3747
Examiner	:	Syed O. Hasan

CERTIFICATION UNDER 37 C.F.R. §§1.8(a) AND 1.10

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

Mailing

☐ deposited with the U.S. Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1451, Alexandria, VA 22313-1451

37 C.F.R. §1.8(a)
☐ with sufficient postage as first class mail.

37 C.F.R. §1.10
☐ as "Priority Mail Express® 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 Patent Center addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

Date: July 6, 2023 Signature: /Robyn L. Templin/

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

AMENDMENT/RESPONSE TO OFFICE ACTION MAILED APRIL 6, 2023

Dear Examiner Hasan:

Responsive to the Office Action mailed April 6, 2023, please amend the Application as follows and consider the following Remarks:

In the Claims

1. (Currently Amended) A fuel selector of a dual fuel generator comprising:

a selector switch having:

a first fuel mode configured to enable a first fuel flow from a first fuel source to an engine of the dual fuel generator; and

a second fuel mode configured to enable a second fuel flow from a second fuel source to the engine of the dual fuel generator;

a fuel solenoid having open and closed positions; and

a solenoid switch having ~~open and closed positions~~ a closed position to activate ~~and deactivate~~ the fuel solenoid and an open position;

wherein, when the selector switch is in the first fuel mode, ~~the solenoid switch and~~ the fuel solenoid ~~are~~ is in the closed ~~positions~~ position and, when the selector switch is in the second fuel mode, the solenoid switch is in the open position and the fuel solenoid ~~are~~ is in the open ~~positions~~position.

2. (Currently Amended) The fuel selector of claim 1 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~~position.

3. (Currently Amended) The fuel selector of claim 1 further comprising:

a valve assembly fluidly ~~connected~~ connectable to each of [[a]]the first fuel source and [[a]]the second fuel source, the valve assembly being operable to selectively control [[a]]the first fuel flow and [[a]]the second fuel flow from the first fuel source and the second fuel source, respectively, to [[a]]the engine of the dual fuel generator; and

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

4. (Original) The fuel selector of claim 3 wherein the valve assembly is positioned on or adjacent the selector switch.

5. (Currently Amended) The fuel selector of claim 3 wherein the valve assembly comprises:

Petitioner Ex 1053 045

two fuel inputs, with a first fuel input ~~connected~~ connectable to the first fuel source and a second fuel input ~~connected~~ connectable 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.

6. (Currently Amended) The fuel selector of claim 5 wherein the two fuel outputs selectively supply fuel to the engine from only ~~one of~~ the first fuel source or only the second fuel source, responsive to selection of the first fuel flow or the second fuel flow via the selector switch and to a corresponding operation of the valve assembly.

7. (Original) The fuel selector of claim 5 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.

8. (Currently Amended) The fuel selector of claim 3 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline fuel source.

9. (Original) The fuel selector of claim 1 wherein the fuel solenoid is a carburetor shutoff solenoid.

10. (Currently Amended) The fuel selector of claim 1 wherein, when the selector switch is in the first fuel mode, the solenoid switch is in the closed position ~~positioning the selector switch in the first fuel mode enables the selection of a first fuel source to the generator, and positioning the selector switch in the second fuel mode enables the selection of a second fuel source to the generator~~.

11. (Currently Amended) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

a valve assembly fluidly ~~connected~~ connectable to each of a first fuel source and a second fuel source, the valve assembly comprising a first selector switch operable to selectively

Petitioner Ex 1053 046

control a first fuel flow and a second selector switch operable to selectively control a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator; and

an interlock positioned on or adjacent the valve assembly to prevent simultaneous operation of the first selector switch and the second selector switch.

12. (Original) The fuel selector of claim 11 wherein the valve assembly comprises two fuel outputs for selectively supplying fuel to the engine from the first fuel source or the second fuel source.

13. (Currently Amended) The fuel selector of claim 12 wherein the two fuel outputs selectively supply fuel to the engine from only ~~one of~~ the first fuel source or only the second fuel source, responsive to selection of the first fuel flow or the second fuel flow via the first and second selector ~~switches,~~switches and to a corresponding operation of the valve assembly.

14. (Original) The fuel selector of claim 11 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.

15. (Original) The fuel selector of claim 14 wherein the first fuel valve and the second fuel valve are non-solenoid, mechanical valves.

16. (Previously Presented) The fuel selector of claim 14 wherein the first and second selector switches provide for manual actuation of the first fuel valve and the second fuel valve, respectively, between the open and closed positions.

17. (Original) The fuel selector of claim 11 further comprising a carburetor solenoid switch configured to activate an associated carburetor solenoid when actuated.

Petitioner Ex 1053 047

18. (Currently Amended) The fuel selector of claim 17 wherein, when the interlock is in a first position, the interlock actuates the carburetor solenoid switch, so as to activate the carburetor solenoid and ~~stop~~ prohibit the second fuel flow to the engine.

19. (Previously Presented) The fuel selector of claim 18 wherein, when the interlock is in a second position, the carburetor solenoid allows the second fuel flow to the engine.

20. (Currently Amended) The fuel selector of claim 11 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline fuel source.

21. (Previously Presented) The fuel selector of claim 11 wherein, when the interlock prevents operation of the first selector switch, the valve assembly prevents the first fuel flow to the engine; and

wherein, when the interlock prevents operation of the second selector switch, the valve assembly prevents the second fuel flow to the engine.

Petitioner Ex 1053 048

REMARKS

Claims 1-21 are pending in the present Application. In the Office Action mailed April 6, 2023, the Examiner rejected claims 1 and 2 under 35 U.S.C. §102(a)(1) as being anticipated by Heitzman et al. (USP 4,297,742—hereinafter "Heitzman"). The Examiner next rejected claim 9 under 35 U.S.C. §103 as being unpatentable over Heitzman in view of Mott (USP 3,696,333).

Claims 3-8 and 10 were indicated as containing allowable subject matter. Claims 11-21 were indicated as allowed. Such indications are appreciated.

Status of Claims 11-21

In the Office Action, the Examiner indicated on page 1 that claims 11-21 "are allowed" and on page 4 that claims 11-21 "are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form." Applicant notes that claim 11 is an independent claim and that claims 12-21 depend from claim 11 either directly or indirectly. As such, Applicant believes that the status indication of "allowed" on page 1 of the Office Action is correct.

Rejection of Claim 1 Under 35 U.S.C. §102(a)(1)

The Examiner rejected independent claim 1 under 35 U.S.C. §102(a)(1) as being anticipated by Heitzman. *Office Action*, 04/06/2023, p. 2. In rejecting claim 1, the Examiner asserted that start switch 22 of Heitzman is a selector switch having first and second fuel modes, solenoid 17 of Heitzman is a fuel solenoid, and that manual shutdown switch 37 of Heitzman is a solenoid switch. *Id.* at pp. 2-3. The Examiner further alleged that, when start switch 22 is in an open position, start switch 22 is in a first fuel mode in which solenoid 17 and manual shutdown switch 37 are in closed positions and that, when start switch 22 is in a closed position, start switch 22 is in a second fuel mode in which solenoid 17 and manual shutdown switch 37 are in open positions. *Id.* at p. 3. The Examiner also contended that claim 1[1] "is very broad and does not mention two different fuels" and, as such, "the first fuel mode can be the fuel off mode and the second fuel mode can be regarded as a normal fuel operation ON mode." *Id.*

Applicant respectfully disagrees with the Examiner's rejection of claim 1. However, Applicant has elected amend claim 1 in order to clarify the scope of the invention.

[1] The Examiner referenced claim 10 on page 3 of the Office Action, but Applicant believes that the Examiner meant to reference claim 1.

Petitioner Ex 1053 049

In order for Heitzman to anticipate the invention of claim 1 under 35 U.S.C. §102, "[t]he identical invention must be shown in as complete detail as is contained in the… claim." *See* MPEP §2131 (citing *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236 (Fed. Cir. 1989)). As set forth in MPEP §2131, "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987).

Applicant respectfully submits that Heitzman does not anticipate claim 1, as explained in more detail below.

Heitzman discloses an engine control system for a vehicle engine 10. *Heitzman*, col. 3, ll. 20-22; FIG. 1. A fuel tank 13 is connected to engine 10 via a fuel line 14, a governor 15, and a normally-closed fuel valve 16 in fuel line 14. *Id.* at col. 3, ll. 22-27; FIG. 1. Fuel valve 16 is opened and held open by a solenoid 17 during operation of engine 10. *Id.* at col. 3, ll. 27-29; FIG. 1. An operator triggers operation of engine 10 by closing main disconnect switch 18 to connect battery 19 to various circuits and components and then moving a start switch 22 to a closed position to supply battery voltage to a start motor 23. *Id.* at col. 3, ll. 30-40; FIG. 1. Moving start switch 22 to its closed position also causes an electric latch 31 to set and inhibit operation of an oscillator 32 and a fuel solenoid driver 33 to supply full current to solenoid 17 to open fuel valve 16. *Id.* at col. 3, l. 66-col. 4, l. 5; FIG. 1.

After engine 10 has started, the operator opens start switch 22 and controls the speed of motor 23 via a throttle lever 11 controlling a fuel rack linkage 12. *Id.* at col. 3, ll. 40-46; FIG. 1. When an operator moves throttle lever 11 into a fuel-off position, throttle lever 11 shuts down the engine by causing fuel rack linkage 12 to move to a position that shuts off the flow of fuel through governor 15 via energizing a solenoid 24 operatively associated with fuel rack linkage 12. *Id.* at col. 3, ll. 44-48; FIG. 1. Opening start switch 22 allows oscillator 32 to oscillate and cause fuel solenoid driver 33 to supply a holding current to solenoid 17 to keep fuel valve 16 open. *Id.* at col. 4, ll. 5-11. Fuel valve 16 closes in response to opening main disconnect circuit 18, as that removes power from fuel solenoid driver 33 and causes solenoid 17 to de-energize. *Id.* at col. 4, ll. 12-16. Fuel valve 16 also closes in response to resetting latch 31, which occurs under three conditions: (1) manual movement of throttle lever 11 to its fuel-off position, (2) closure of a manual shutdown switch 37 in the vehicle's operator cab, and (3) opening of a valve 28 to actuate a fire-extinguisher system 26. *Id.* at col. 4, ll. 17-27; FIG. 1. Closing manual shutdown switch 37 causes a latch 41 to be set and a rack solenoid driver 42 to supply current to solenoid 24, which pulls fuel rack linkage 12 into the fuel-off position. *Id.* at col. 4, ll. 33-38; FIG. 1.

Petitioner Ex 1053 050

As amended, claim 1 calls for, in part, a selector switch having first and second fuel modes configured to respectively enable a first fuel flow from a first fuel source and a second fuel from a second fuel source to an engine of a dual fuel generator. Claim 1 also calls for a fuel solenoid having open and closed positions and a solenoid switch having a closed position to activate the fuel solenoid and an open position. Claim 1 additionally calls for the fuel solenoid to be in the closed position when the selector switch is in the first fuel mode and for the solenoid switch and the fuel solenoid to be in the open position when the selector switch is in the second fuel mode. No new matter has been added.

Heitzman does not disclose a selector switch having a first fuel mode configured to enable a first fuel flow from a first fuel source to an engine of a dual fuel generator and a second fuel mode configured to enable a second fuel flow from a second fuel source to the engine of the dual fuel generator, as called for in claim 1. The Examiner relied on start switch 22 of Heitzman as a selector switch having first and second fuel modes. *Office Action*, p. 3. While start switch 22 has a closed position that enables starting of engine 10 and an open position that allows oscillator 32 to oscillate after engine 10 has started, Heitzman does not disclose that the different positions of start switch 22 enable a first fuel flow from a first fuel source to an engine of a dual fuel generator and a second fuel flow from a second fuel source to the engine of the dual fuel generator, as claimed. Rather, Heitzman discloses that vehicle engine 10 only receives fuel from a fuel tank 13. *Heitzman*, col. 3, ll. 20-25; FIG. 1. As such, Heitzman fails to disclose the selector switch called for in claim 1.

In addition, Heitzman does not disclose a selector switch having first and second fuel modes, wherein, when the selector switch is in the first fuel mode, the fuel solenoid is in the closed position and, when the selector switch is in the second fuel mode, the solenoid switch is in the open position and the fuel solenoid is in the open position, as called for in claim 1. Initially, since Heitzman does not disclose a selector switch having first and second fuel modes configured to respectively enable first and second fuel flows from respective first and second fuel sources to an engine of a dual fuel generator, as called for in claim 1, Heitzman cannot be said to disclose specific open and/or closed positions of a fuel solenoid and a solenoid switch based on whether such a selector switch is in the first or second fuel mode. However, even assuming *arguendo* that start switch 22 of Heitzman can be considered a selector switch having first and second fuel modes, Heitzman does not disclose the claimed open and/or closed positions of a fuel solenoid and a solenoid switch. The Examiner asserted that, when start switch 22 is in an open position, start switch 22 is in a first fuel OFF mode and that, when start switch 22 is in a closed position, start

Petitioner Ex 1053 051

switch 22 is in a second fuel ON mode. *Office Action*, p. 3. However, Heitzman does not disclose that the positions of start switch 22 correspond to a fuel OFF mode and a fuel ON mode.

Although Heitzman discloses that moving start switch 22 into the closed position is necessary to start engine 10 and to energize solenoid 17 to open fuel valve 16 (*Heitzman*, col. 3, ll. 38-40; col. 4, ll. 3-5; FIG. 1), Heitzman does not disclose that opening start switch 22 closes fuel valve 16. On the contrary, Heitzman discloses that, after engine 10 has started, the operator opens start switch 22. *Id.* at col. 3, ll. 40-42; col. 4, ll. 5-6. Opening start switch 22 allows oscillator 32 to oscillate, which causes fuel solenoid driver 33 to provide a holding current to solenoid 17 to keep fuel valve 16 open. *Id.* at col. 4, ll. 5-11. In other words, opening start switch 22 has no effect on whether fuel valve 16 remains open to provide fuel to engine 10 or closes to stop providing fuel to engine 10. *See id.* In light of the above, the open position of start switch 22 of Heitzman cannot be considered a fuel OFF mode in which solenoid 17 is closed, as argued by the Examiner. Thus, the open position of start switch 22 is not a first fuel mode of a selector switch in which a fuel solenoid is in a closed position, as called for in claim 1.

In addition, Heitzman does not disclose that the position of start switch 22 has any effect on the position of manual shutdown switch 37, which the Examiner cited as the claimed solenoid switch (*Office Action*, p. 3). That is, Heitzman does not disclose that moving start switch 22 between its open and closed positions causes manual shutdown switch 37 to change status. This is logical, as Heitzman discloses that manual shutdown switch 37 is a *manual* switch for operation by an operator in the operator cab of a vehicle rather than a switch that operates based on the condition of another component in the system. *See Heitzman*, col. 4, ll. 22-23; FIG. 1. Thus, Heitzman cannot be said to disclose that manual shutdown switch 37 is necessarily in the open position when start switch 22 is moved to the closed position, as contended by the Examiner. In contrast, Heitzman seems to leave open the possibility that an operator could move start switch 22 into the closed position while manual shutdown switch 37 is in the closed position, which would simply not allow engine 10 to start. Therefore, Heitzman cannot be said to disclose that, when start switch 22 is in the closed position, manual shutdown switch 37 is in the open position, as alleged by the Examiner. As such, the closed position of start switch 22 of Heitzman is not a second fuel mode of a selector switch in which a solenoid switch and a fuel solenoid are in an open position, as called for in claim 1.

In view of the above, Heitzman does not disclose a selector switch that, when in a first fuel mode, a fuel solenoid is in a closed position and, when in a second fuel mode, the fuel solenoid and a selector switch are in an open position, as called for in claim 1. Heitzman also fails to disclose

Petitioner Ex 1053 052

that first and second fuel modes of a selector switch are configured to respectively enable first and second fuel flows from respective first and second fuel sources to an engine of a dual fuel generator, as called for in claim 1. Therefore, Heitzman is not anticipatory under 35 U.S.C. §102(a)(1). *See Verdegaal Bros.*, 814 F.2d at 631. Applicant respectfully requests withdrawal of the rejection of claim 1 under 35 U.S.C. §102(a)(1), along with the rejections of all claims depending therefrom.

Claim Amendments

In addition to amending claim 1, Applicant has elected to amend claims 2, 3, 5, 6, 8, 10, 11, 13, 18, and 20 in the present Response. The purpose of the amendments is to clarify the scope of the invention.

Claims 2, 5, 6, 8, 11, 13, 18, and 20 are currently amended to clarify the scope of the invention. Claim 3 is currently amended in view of the amendments to claim 1 and to clarify the scope of the invention. Claim 10 is currently amended in view of the amendments to claim 1. No new matter has been added.

Conclusion

Therefore, in light of at least the foregoing, Applicant respectfully believes that the present Application is in condition for allowance. As a result, Applicant respectfully requests timely issuance of a Notice of Allowance for claims 1-21.

Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,

/Jacob M. Fritz/

Jacob M. Fritz
Registration No. 71,459
Phone 262-268-8100
jmf@zpatents.com

Dated: July 6, 2023
Attorney Docket No.: CET1090.082

P.O. ADDRESS:
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

Petitioner Ex 1053 053

General Authorization and Extension of Time

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2623. Should no proper payment be enclosed herewith, as by credit card authorization being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2623. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extensions under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-2623. Please consider this a general authorization to charge any fee that is due in this case, if not otherwise timely paid, to Deposit Account No. 50-2623.

/Jacob M. Fritz/
Jacob M. Fritz
Registration No. 71,459
Phone 262-268-8100
jmf@zpatents.com

Dated: July 6, 2023
Attorney Docket No.: CET1090.082

P.O. ADDRESS:
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

Petitioner Ex 1053 054

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	**07/06/2023 05:32:53 PM ET**	**CET1090.082**

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	62398454	FILING DATE	02/16/2022
CUSTOMER #	26629	FIRST NAMED INVENTOR	Mark J. Sarder
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Jacob Fritz

Documents

TOTAL DOCUMENTS: 3

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
2023.07.06 Response.pdf		11	-	152 KB
2023.07.06 Response-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	101 KB
2023.07.06 Response-CLM.pdf	(2-5)	4	Claims	88 KB
2023.07.06 Response-REM.pdf	(6-11)	6	Applicant Arguments/Remarks Made in an Amendment	121 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2023.07.06 Response.pdf	56D79F72ED697CCC182F0370D593BA38EABFFF1ECC0184F75 29CDEA7DA68D8B2FAF1E986941B09F4C019C8F73E60388B0F CAD9E53B58E108B296CC49A5A63774
2023.07.06 Response-A....pdf	8D838DEB36FF59FB77D16FF2115F0661E7AF548786048DC8A F3540775EBC0A90BB69C77A8F59CEFA66FFB062EE40F9A780 66D890BC92239231741CA4AEE38C9A
2023.07.06 Response-CLM.pdf	E57E5D188ABAB17CD967D06A59A8508DA20FB7FFC957FAC7 9099DA3835AE3FB0001FEEE759DD1AD5259172C137BB5EE98 3212C12FA982039C34CD092835A5861
2023.07.06 Response-REM.pdf	968A0FA45E67F348951FB3AC67D4A2DBCD302C774B14CC0E DCC79525F72FA2CAAA1C610B686F84B293F95ECB36451F788 D87532140EE5CC210292AD00066AA61

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/651,245	Filing Date 02/16/2022	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $240 =	
☐ 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).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	07/06/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 21	Minus	** 21	= 0		x $40 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $192 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/RAMONA D WILSON/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. 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 12 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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

26629 7590 04/06/2023

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

EXAMINER
HASAN, SYED O

ART UNIT	PAPER NUMBER
3747	

NOTIFICATION DATE	DELIVERY MODE
04/06/2023	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

Office Action Summary	Application No. 17/651,245	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 --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 12/15/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-21 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☑ Claim(s) 11-21 is/are allowed.

7) ☑ Claim(s) 1-2 and 9 is/are rejected.

8) ☑ Claim(s) 3-8 and 10 is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 2/16/2022 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to applicant's amendment received on 12/15/2022. Amended claims 11, 13, 16, 18-19, and new claim 21 are acknowledged and the following new grounds of rejection below are formulated. The amendments to the specification have been considered and accepted.

Notice of Pre-AIA or AIA Status

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

Claim Rejections - 35 USC § 102

3. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

5. Claim(s) 1-2 is/are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Heitzman (U.S. Patent Number 4,297,742) hereinafter “Heitzman”.

Regarding claim 1, Heitzman discloses a fuel selector of a dual fuel generator comprising: a selector switch (22) having a first fuel mode (figure 1 shows that the

selector switch is open) and a second fuel mode (when 22 is closed, column 3, lines 30-43); a fuel solenoid (17) having open and closed positions (column 4, lines 2-11); and a solenoid switch (kill switch 37) having open and closed positions (column 4, lines 12-27); wherein, when the selector switch (22) is in the first fuel mode (switch 22 being open, column 3, line 66- column 4, line 11), the solenoid switch (37) and the fuel solenoid (17) are in the closed positions (column 4, lines 22-24) and, when the selector switch (22) is in the second fuel mode (closed position), the solenoid switch (37) and the fuel solenoid (17) are in the open positions (column 4, lines 22-24, general fuel flow with valve 16 being open). Examiner notes that claim 10 is very broad and does not mention the two different fuels. Therefore, the first fuel mode can be the fuel off mode and the second fuel mode can be regarded as a normal fuel operation ON mode.

Regarding claim 2, Heitzman discloses the fuel selector of claim 10 wherein the selector switch (22) triggers the solenoid switch (37) when changed from the second fuel mode (ON mode) to the first fuel mode (OFF mode), so as to cause the solenoid switch (37) and the fuel solenoid (17) to operate in the closed positions (column 3, line 66 - column 4, line 11). Examiner notes that when the switch (22) is used as a control switch for the operation of the fuel valve solenoid. Furthermore, manual shutdown switch (37) can also close the fuel valve (16).

Claim Rejections - 35 USC § 103

6. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of

rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

7. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim(s) 9 is/are rejected under 35 U.S.C. 103 as being unpatentable over Heitzman in view of Mott (U.S. Patent 3,696,333), hereinafter "Mott".

Regarding claims 9, Heitzman discloses the same invention substantially as claimed except for a carburetor solenoid switch. However, Mott teaches the use of solenoid (24) controlled by a switch (25) for a carburetor (31) for the purpose of opening the automatic choke to allow for the carburetor to operate effectively when enough pressure is built up (column 2, lines 15-27). Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify Heitzman by incorporating a carburetor solenoid (24) and switch (25) to selectively operate Sugimoto's carburetor (37b) for the purpose of opening the automatic choke to allow for the carburetor to operate effectively when enough pressure is built up.

Allowable Subject Matter

9. Claims 3-8 and 10-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

10. The following is a statement of reasons for the indication of allowable subject matter: There is no prior art that teaches all the limitations of claims 3 and 10, but more specifically, a valve assembly for a first and second fuel source, a selector switch enables selection of either the first fuel or the second fuel, and in which the solenoid switch is closed when the selector switch is in the first fuel mode.

There is no prior art that teaches all the limitations of claim 11, but more specifically, a duel fuel generator that has a valve assembly connected tot a first fuel source and a second fuel source, in which the valve assembly comprising a first selector switch to selectively control a first fuel flow and a second selector switch to selectively control a second fuel flow to an engine, an interlock positioned on the valve assembly to prevent simultaneous operation for the first selector switch and the second selector switch.

Conclusion

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

12. 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.

/SYED O HASAN/
Primary Examiner, Art Unit 3747
/SYED O HASAN/
Primary Examiner, Art Unit 3747
3/31/2023

Notice of References Cited	Application/Control No. 17/651,245	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 MM-YYYY	Name	CPC Classification	US Classification
*	A	US-4297742-A	10-1981	Heitzman; Gary N.	F02D17/04	361/194
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	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 MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC - Searched*		
Symbol	Date	Examiner
F02D19/0676,19/0613,19/0647,29/06,19/0681,F02M21/0293,21/0236,13/08,FO2B53/00,63/00,H02K1/22	09/09/2022	/S.O.H/
Updated Search	03/31/2023	/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	09/09/2022	/S.O.H/
SEARCH strategy attached. Inventor name searches performed.	09/09/2022	/S.O.H/

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

	/SYED O HASAN/ Primary Examiner, Art Unit 3747

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	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	09/09/2022	04/02/2023							
	1	✓	✓							
	2	✓	✓							
	3	O	O							
	4	O	O							
	5	O	O							
	6	O	O							
	7	O	O							
	8	O	O							
	9	✓	✓							
	10	O	O							
	11	✓	=							
	12	✓	=							
	13	✓	=							
	14	✓	=							
	15	O	=							
	16	✓	=							
	17	O	=							
	18	O	=							
	19	O	=							
	20	✓	=							

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

		near3 switch) and (LPG near20 gasoline)	USOCR; FPRS; EPO; JPO; DERWENT)				03:53 PM
L32	321499	(select$4 near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	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").URPN.	(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

							04:38 PM
L50	0	48/180R.ccls.	(USPAT)	OR	OFF	OFF	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"|"20130098349"|"20060169238"|"20040240141"|"4489699").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

		(fuel))	JPO; DERWENT)				
L66	98	(generator).ti. and ((dual or multiple) near3 (fuel)) and (engine)	(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

		near3 switch)	JPO; DERWENT)				
L84	52	(gaseous near3 fuel) same (fuel near3 select$4 near3 switch)	(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").URPN.	(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

		bi) near3 (fuel)) same (valve) same (user or operator or manual or manually))	JPO; DERWENT)				
L124	310	(((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").URPN.	(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

		01").PN.					
L155	10	(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	gneerator 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

		switch))					
L166	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 02:41 PM
L167	14	("2006/0065216").URPN.	(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"|"4287908"|"4364370"|"4416244"|"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

		near3 fuel))					
L194	26	(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;9435273).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

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)				
L206	18	(dual near3 fuel) AND ((solenoid ADJ 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, 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

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
* 17/651,245 *	17/651,245	Sarder et al.	
	Examiner	**Art Unit**	
	HASAN, SYED O	3747	

Document Code - DISQ	**Internal Document - DO NOT MAIL**

TERMINAL DISCLAIMER	☑ APPROVED	☐ DISAPPROVED
Date Filed: **15 December 2022**	**This patent is subject to a Terminal Disclaimer**	

Approved/Disapproved by:

/KIMBERLY R WHITE/

Technology Center: OPLC

Telephone: (571)272-6179

PTO/AIA/26 (04-14)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT

Docket Number (Optional)
CET1090.082

In re Application of: Sarder, et al.

Application No.: 17/651,245

Filed: 02/16/2022

For: DUAL FUEL SELECTOR SWITCH

The applicant, Champion Power Equipment, Inc., owner of 100 percent interest 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 **prior patent** Nos. 10,598,101 and 11,306,667 as the term of said **prior patent** is presently shortened by any terminal disclaimer. The applicant hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the **prior patent** are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the applicant 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.

Check either box 1 or 2 below, if appropriate.

1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

I hereby knowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 65742

/Andrew C. Stark/ — Signature
December 15, 2022 — Date

Andrew C. Stark — Typed or printed name

Attorney — Title
(262) 268-8100 — Telephone Number

☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.321. 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 1.11 and 1.14. This collection is estimated to take 12 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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	12/15/2022 09:09:10 AM ET	CET1090.082

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	61302988	AUTHORIZED BY	Andrew Stark
CUSTOMER #	26629	FILING DATE	02/16/2022
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Mark J. Sarder

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 4529	E2022BE010434979	Robyn Templin

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2202	EACH CLAIM IN EXCESS OF 20	50.00	1	50.00
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
			TOTAL AMOUNT:	$220.00

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.

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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	**12/15/2022 09:09:10 AM ET**	**CET1090.082**

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	61302988	FILING DATE	02/16/2022
CUSTOMER #	26629	FIRST NAMED INVENTOR	Mark J. Sarder
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Andrew Stark

Documents

TOTAL DOCUMENTS: 5

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
2022.12.15 Response.pdf		15	-	177 KB
2022.12.15 Response-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	115 KB
2022.12.15 Response-SPEC.pdf	(2-3)	2	Specification	114 KB
2022.12.15 Response-CLM.pdf	(4-7)	4	Claims	89 KB
2022.12.15 Response-REM.pdf	(8-15)	8	Applicant Arguments/Remarks Made in an Amendment	132 KB

2022.12.15 Terminal Disclaimer.pdf	1	Terminal Disclaimer Filed	90 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2022.12.15 Response.pdf	53626FA1D1CDFA4E09D8094C73C1B44CD35F999340C6E20C ABA39B3DCB2DBF5A44DE4449691B52A6FBE016D1C79AAA3C 4FCA6D294C29E688AE05C6DD305E1564
2022.12.15 Response-A....pdf	3D2AAEB0F5DB7F89E9C8BF8865D77A1F26EA2947F58247CC1 B45F165BB821287BE902F9A2A1FFFDE365355D84791ACD106 505DBB7EE2FACCF1CC3CBEC969C024
2022.12.15 Response-SPEC.pdf	5F8C2B27A39B9B793C63CD31DD53CFE9DE1C36F08A3C9782 CAE4255C0A018A6C967C844FE32A7CF7F6FA7A7CD3D6EDF9 AC287F6695D8FBB2100302BB72B72069
2022.12.15 Response-CLM.pdf	ADDC5EDD7AE71B0CF66430E74D73050EA59C06AA44621D65 11125572DEBEEABAC01DD28A9A5CACCFB5659E1435877BAC 1868A15E653B969BC572688D84B0DC9D
2022.12.15 Response-REM.pdf	9F62F2DCFB1D5CFE2A6A3C63660A4182B5AE0E36F6BBE5837 878B843B178F1E106DF28F32EEBA47B6698BEBA44F0C1B3FE A96BE791A9D051A11CD2F3C1706D89
2022.12.15 Terminal Disclaimer.pdf	C5977AAD6A3609C28D1A7528571BC9CF351F18539DC45ED63 1FA68C225EB18EC75CE11CF1F79C09F60C486762F1CC0823E 75F8A5C55FDC7A303BAC5B67AA1076

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.

Customer No. 26629 Patent
Confirmation No. 8244 Attorney Docket No. CET1090.082

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	17/651,245
Filed	:	February 16, 2022
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 Patent Center addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

Date: December 15, 2022 /Robyn L. Templin/
Signature

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

AMENDMENT/RESPONSE TO OFFICE ACTION
MAILED SEPTEMBER 15, 2022

Dear Sir:

Responsive to the Office Action mailed September 15, 2022, please amend the Application as follows and consider the following remarks:

In the Specification

Please replace paragraph [0007] in the Specification with the following amended paragraph:

[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 ~~section~~ second position, wherein the fuel selector switch is translatable between the first position and the ~~section~~ 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.

Please replace paragraph [0035] in the Specification with the following amended paragraph:

[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 ~~section~~ second position, wherein the fuel selector switch is translatable between the first position and the ~~section~~

Petitioner Ex 1053 092

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.

Petitioner Ex 1053 093

In the Claims

1. (Original) A fuel selector of a dual fuel generator comprising:

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 to activate and deactivate the fuel solenoid;

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

2. (Original) The fuel selector of claim 1 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.

3. (Original) The fuel selector of claim 1 further comprising:

a valve assembly fluidly connected to each of a first fuel source and a second fuel source, the valve assembly being 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; and

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

4. (Original) The fuel selector of claim 3 wherein the valve assembly is positioned on or adjacent the selector switch.

5. (Original) The fuel selector of claim 3 wherein the valve assembly comprises:

two fuel inputs, with a first fuel input connected to the first fuel source and a second fuel input connected 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.

Petitioner Ex 1053 094

6. (Original) The fuel selector of claim 5 wherein the two fuel outputs selectively supply fuel to the engine from only one of the first fuel source or the second fuel source, 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.

7. (Original) The fuel selector of claim 5 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.

8. (Original) The fuel selector of claim 3 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline source.

9. (Original) The fuel selector of claim 1 wherein the fuel solenoid is a carburetor shutoff solenoid.

10. (Original) The fuel selector of claim 1 wherein positioning the selector switch in the first fuel mode enables the selection of a first fuel source to the generator, and positioning the selector switch in the second fuel mode enables the selection of a second fuel source to the generator.

11. (Currently Amended) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

a valve assembly fluidly connected to each of a first fuel source and a second fuel source, the valve assembly comprising a first selector switch~~being~~ operable to selectively control a first fuel flow and a second selector switch operable to selectively control a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator; and

an interlock positioned on or adjacent the valve assembly to prevent simultaneous operation of the first selector switch and the second selector switch~~a selector switch positioned on the valve assembly to allow a user to manually select one of the first fuel flow and the second fuel flow~~.

Petitioner Ex 1053 095

12. (Original) The fuel selector of claim 11 wherein the valve assembly comprises two fuel outputs for selectively supplying fuel to the engine from the first fuel source or the second fuel source.

13. (Currently Amended) The fuel selector of claim 12 wherein the two fuel outputs selectively supply fuel to the engine from only one of the first fuel source or the second fuel source, responsive to selection of the first fuel flow or the second fuel flow via the first and second selector switches, and a corresponding operation of the valve assembly.

14. (Original) The fuel selector of claim 11 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.

15. (Original) The fuel selector of claim 14 wherein the first fuel valve and the second fuel valve are non-solenoid, mechanical valves.

16. (Currently Amended) The fuel selector of claim 14 wherein the first and second selector switches provides for manual actuation of the first fuel valve and the second fuel valve, respectively, between the open and closed positions.

17. (Original) The fuel selector of claim 11 further comprising a carburetor solenoid switch configured to activate an associated carburetor solenoid when actuated.

18. (Currently Amended) The fuel selector of claim 17 wherein, when the interlock~~selector switch~~ is in a first position, the interlock~~selector switch~~ actuates the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the second fuel flow to the engine.

19. (Currently Amended) The fuel selector of claim 18 wherein, when the interlock~~selector switch~~ is in a second position, the carburetor solenoid allows the second fuel flow to the engine.

Petitioner Ex 1053 096

20. (Original) The fuel selector of claim 11 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline source.

21. (New) The fuel selector of claim 11 wherein, when the interlock prevents operation of the first selector switch, the valve assembly prevents the first fuel flow to the engine; and

wherein, when the interlock prevents operation of the second selector switch, the valve assembly prevents the second fuel flow to the engine.

Petitioner Ex 1053 097

REMARKS

Claims 1-20 are pending in the present application. In the Office Action mailed September 15, 2022, the Examiner rejected claims 1-20 on the ground of nonstatutory double patenting as being unpatentable over claims 1-2, 6, 8-10, 16, and 18-19 of U.S. Patent No. 10,598,101. The Examiner next rejected claims 1-20 on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 11,306,667. Claims 1, 2, and 11 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by Sugimoto et al. (U.S. Pub. 2007/0137591 - hereinafter "Sugimoto"). Claims 9 and 17 were rejected under 35 U.S.C. §103 as being unpatentable over Sugimoto in view of Mott (USP 3,696,333). Claims 12-14, 16, and 20 were rejected under 35 U.S.C. §103 as being unpatentable over Sugimoto in view of Poehlman (USP 4,489,699).

Allowable Subject Matter

The Examiner indicated on page 9 of the Office Action mailed Sept. 15, 2022, that "Claims 3-8, 10, 15, and 17-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any interviewing claims." *Office Action*, 09/15/2022, p. 9. Applicant appreciates the indication of allowable subject matter but request clarification of the status of claim 17.

In support of listing claim 17 with claims containing allowable subject matter, page 9 of the Office Action indicated that "[t]here is no prior art that teaches all the limitations of claim 17, but more specifically, the selector switch automatically activating the carburetor switch when the selector switch is actuated to stop a second fuel flow to the engine." In contradiction to this reason for the indication of allowability, claim 17 is also referenced on page 6 of the Office Action in the context of the rejection under 35 U.S.C. §103 based on Sugimoto and Mott. Thus, Applicant respectfully requests clarification of the status of claim 17. If the Examiner does not deem the present Application to be in condition for allowance following review of the remarks set forth herein, Applicant respectfully requests clarification of the status of claim 17 in a subsequent non-final Office Action.

Amendments to the Specification

Applicant has amended the Specification to address clerical issues at paragraph [0007] and [0035] by changing each occurrence of "section position" to "second position". Support for the

Petitioner Ex 1053 098

amendments to the Specification can be found at least at ¶¶'s [0006] and [0027] of the Specification and in FIGS. 5 and 6 of the Drawings. No new matter is added by way of the amendments.

Non-Statutory Double Patenting Rejection

The Examiner rejected claims 1-20 on the ground of non-statutory double patenting as being unpatentable over claims 1-2, 6, 8-10, 16 and 18-19 of U.S. Patent 10,598,101 and over claims 1-18 of U.S. Patent No. 11,306,667.

Responsive to the rejection, a properly executed Terminal Disclaimer is being filed concurrently herewith to obviate the non-statutory double patenting rejections. The $170 Terminal Disclaimer fee under 37 CFR 1.20(d) is also being concurrently paid via Patent Center. As such, Applicant respectfully requests withdrawal of the double patenting rejection of claims 1-20 on the ground of non-statutory double patenting as being unpatentable over claims 1-2, 6, 8-10, 16 and 18-19 of U.S. Patent 10,598,101 and over claim 1-18 of U.S. Patent No. 11,306,667.

Rejection under 35 U.S.C. §102(a)(1) as being anticipated by Sugimoto

Claim 1

The Examiner rejected claim 1 under 35 U.S.C. §102(a)(1) as being anticipated by Sugimoto. In rejecting the claim, the Examiner asserted (in part) that Sugimoto discloses "a selector switch (12) having a first fuel mode (cutoff mode shown in figure 7) and a second fuel mode (first position fuel bottle mode shown in figure 7)," a "solenoid switch (kill switch 74)," and a "fuel solenoid having open and closed positions (kill switch associated with fuel so 74 controls a fuel solenoid)." *Office Action*, p. 4. Applicant respectfully disagrees with the rejection of claim 1.

Applicant believes claim 1 to be patentably distinct from that which is disclosed in Sugimoto. That is, Sugimoto does not anticipate that which is called for in claim 1, as anticipation under 35 U.S.C. §102(a)(1) requires that "[t]he identical invention must be shown [in the reference] in as complete detail as is contained in the ... claim." *MPEP §2131* (citing *Richardson v. Suzuki Motor Co.,* 868 F.2d 1226, 1236 (Fed. Cir. 1989)). As will be set forth in detail here below, Sugimoto does not disclose each and every element of claim 1 and thus does not anticipate the claim as "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *MPEP §2131* (citing *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987)).

Sugimoto discloses an engine generator 1 that includes a combustion engine 30, a fuel supply system Fa for supplying a fuel gas to the engine 30, an electric generator 40 to be driven for

Petitioner Ex 1053 099

operation by the engine 30, a power control unit 41 for controlling power generated by the generator 40, and an electronic control unit (ECU) 89 for controlling the engine 30 and the fuel supply system Fa. *Sugimoto*, ¶[0042]. The fuel supply system Fa is provided with one or a plurality of fuel bottles 61, namely, first fuel or internal fuel sources. *Id.* at ¶[0071]. An external fuel system Fb includes an external fuel bottle 71, namely, a second fuel or an external fuel source. *Id.* at ¶[0073]. A fuel system selector valve 12 connects either a first fuel system that supplies the first fuel gas to the engine 30 or a second fuel system that supplies the second gas to the engine 30. *Id.* at ¶[0082]. The fuel system selector valve 12 can be set in a first position, where the knob of the fuel system selector valve 12 is at a first position marked with "Internal fuel" to connect the first fuel system to the engine 30 to supply the first fuel gas to the engine 30, in a second position, where the knob of the fuel system selector valve 12 is at a second position marked with "External fuel" to connect the second fuel system to the engine 30 to supply the second fuel gas to the engine 30, and in a cutoff position, where the knob of the fuel system selector valve 12 is at a cutoff position, where the knob of the fuel system selector valve 12 is at a neutral position marked with "Off" to stop supplying fuel gas to the engine 30 by disconnecting both the first and the second fuel system from the engine 30. *Id.* at ¶[0082]. The fuel system selector valve 12 is changed from the first to the second position and from the second to the first position via the neutral position. *Id.* at ¶[0082]. Sugimoto additionally discloses that the fuel system selector valve 12 functions as switches for starting and stopping the engine 30 and controlling the ignition system – with a kill switch 74 for controlling the operation of the ignition system being opened and closed according to the operating position of the fuel system selector valve 12. *Id.* at ¶[0083].

Claim 1 calls for, a fuel selector of a dual fuel generator including 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 to activate and deactivate the fuel solenoid; wherein, when the selector switch is in the first fuel mode, the solenoid switch and the fuel solenoid are in the closed positions and, when the selector switch is in the second fuel mode, the solenoid switch and the fuel solenoid are in the open positions.

However, there is no disclosure in Sugimoto of a fuel solenoid having open and closed positions, and a solenoid switch having open and closed positions to activate and deactivate the fuel solenoid, along with the additional elements of claim 1. Contrary to the Examiner's assertion on page 4 of the Office Action, Sugimoto does not disclose a fuel solenoid controlled by kill switch 74. Sugimoto actually discloses a kill switch 74 that is opened and closed to control operation of an ignition system of the engine 30. *Sugimoto*, ¶[0083]. That is, FIG. 6 shows the kill switch 74

Petitioner Ex 1053 100

wired to operate an ignition coil 44 of the ignition system. *Id*. at ¶[0065]; FIG. 6. In contrast, a skilled artisan would readily recognize that a "solenoid" is "a coil of wire usually in cylindrical form that when carrying a current acts like a magnet so that a movable core is drawn into the coil when a current flows and that is used especially as a switch or control for a mechanical device (such as a valve)."[1] This definition is consistent with the use of the term "solenoid" a disclosed in the specification, with the specification disclosing that "[w]hen 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." *Specification*, ¶[0032]. However, Sugimoto's ignition coil 44 does not have a movable core of a solenoid as instead Sugimoto discloses that the "ignition coil 44 (FIG. 6) provided with a primary winding" and that the "ignition coil 44 raises an input voltage up to a high voltage and applies a high-voltage pulse to the ignition plug 42 in response to an ignition signal provided at a specific crankshaft position." *Sugimoto*, ¶[0065]. Thus, one skilled in the art would readily recognize that an ignition coil, like ignition coil 44, is a transformer having two wire windings or coils used to generate high-voltage spark pulses and that such an ignition coil would not have a movable core like a solenoid. Since the ignition coil 44 is not a solenoid, therefore, the kill switch 74 does not control a solenoid and is not a solenoid switch. As a result, Sugimoto cannot be said to teach or suggest a solenoid switch having open and closed positions to activate and deactivate a fuel solenoid; wherein, when a selector switch is in a first fuel mode, the solenoid switch and the fuel solenoid are in closed positions and, when the selector switch is in a second fuel mode, the solenoid switch and the fuel solenoid are in open positions; as called for in claim 1.

For at least these reasons, Sugimoto fails to teach each and every element of claim 1 and thus fails to anticipate the claim, as "[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *MPEP §2131* (citing *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987)). Applicant therefore believes that claim 1 is patentably distinct from Sugimoto and respectfully requests withdrawal of the rejection of claim 1 and the claims dependent therefrom.

Claim 11

The Examiner rejected independent claim 11 under 35 U.S.C. §102(a)(1) as being anticipated by Sugimoto. In rejection the claim, the Examiner asserted (in part) that Sugimoto

[1] *See* "solenoid", *Merriam-Webster Dictionary*, 2022, https://www.merriam-webster.com/dictionary/solenoid (12 December 2022).

Petitioner Ex 1053 101

discloses a "fuel selector comprising: a valve assembly (assembly for valve 12, paragraph 83) fluidly connected to each of a first fuel source (Fa, 61, paragraph 71) and a second fuel source (Fb, 71, paragraph 73)," and "a selector switch (12) positioned on the valve assembly to allow a user to manually select one of the first fuel flow and the second fuel flow (paragraph 83)." *Office Action*, p. 5. Without acquiescing to the rejection, Applicant has elected to amend claim 11 to further clarify the invention called for therein.

As amended, claim 11 calls for a fuel selector for use with a dual fuel generator, the fuel selector including a valve assembly fluidly connected to each of a first fuel source and a second fuel source, the valve assembly comprising a first selector switch operable to selectively control a first fuel flow and a second selector switch operable to selectively control a second fuel flow from the first fuel source and the second fuel source, respectively, to an engine of the dual fuel generator; and an interlock positioned on or adjacent the valve assembly to prevent simultaneous operation of the first selector switch and the second selector switch. Support for the amendment can be found at least in paragraphs [0027]-[0031] of the Specification and in FIGS. 5-6 of the Drawings. No new matter is added by way of the amendment.

Sugimoto discloses an engine generator 1 that includes a combustion engine 30, a fuel supply system Fa for supplying a fuel gas to the engine 30, an electric generator 40 to be driven for operation by the engine 30, a power control unit 41 for controlling power generated by the generator 40, and an electronic control unit (ECU) 89 for controlling the engine 30 and the fuel supply system Fa. *Sugimoto*, ¶[0042]. The fuel supply system Fa is provided with one or a plurality of fuel bottles 61, namely, first fuel or internal fuel sources. *Id.* at ¶[0071]. An external fuel system Fb includes an external fuel bottle 71, namely, a second fuel or an external fuel source. *Id.* at ¶[0073]. A fuel system selector valve 12 connects either a first fuel system that supplies the first fuel gas to the engine 30 or a second fuel system that supplies the second gas to the engine 30. *Id.* at ¶[0082].

However, there is no disclosure in Sugimoto of a valve assembly comprising a first selector switch operable to selectively control a first fuel flow and a second selector switch operable to selectively control a second fuel flow from a first fuel source and a second fuel source, respectively, to an engine of a dual fuel generator; or an interlock positioned on or adjacent the valve assembly to prevent simultaneous operation of the first selector switch and the second selector switch, as called for in claim 11. Instead, Sugimoto discloses that a fuel system selector valve 12 connects either a first fuel system that supplies a first fuel gas to the engine 30 or a second fuel system that supplies a second gas to the engine 30. *Sugimoto*, ¶[0082]. Since Sugimoto discloses a single fuel system selector valve 12 to connect the first fuel system or second fuel system to the engine 30,

Petitioner Ex 1053 102

Sugimoto does not disclose a valve assembly having a first selector switch and a second selector switch or an interlock positioned on or adjacent a valve assembly to prevent simultaneous operation of a first selector switch and a second selector switch as would be required to anticipate claim 11.

Accordingly, Sugimoto does not teach or suggest each and every element of claim 11. Therefore, Applicant believes claim 11 is patentably distinct from Sugimoto and respectfully requests withdrawal of the rejection of claim 11, and the claims depending therefrom.

Claim Amendments

Claim 13 has been amended to change "selector switch" to "first and second selector switches" according to antecedent basis resulting from the amendment to claim 11. No new matter is added by way of the amendment.

Claim 16 has been amended to change "selector switch provides" to "first and second selector switches provide" and to add ", respectively," according to antecedent basis resulting from the amendment to claim 11. No new matter is added by way of the amendment.

Claims 18 and 19 have been amended to change "the selector switch" to "the interlock" according to antecedent basis resulting from the amendment to claim 11. No new matter is added by way of the amendments.

Newly Added Claims

In addition to the above remarks, Applicant has newly presented claim 21 in the present response. Claim 21 is believed to be patentably distinct over the applied art as Sugimoto cannot be said to teach or suggest wherein, when an interlock prevents operation of a first selector switch, a valve assembly prevents a first fuel flow to an engine; and wherein, when the interlock prevents operation of a second selector switch, the valve assembly prevents a second fuel flow to the engine. No new matter is included by way of the newly presented claim. Support for new claim 21 can be found at least in paragraphs [0027]-[0031] of the Specification and in FIGS. 5-6 of the Drawings.

Conclusion

Therefore, in light of at least the foregoing, Applicant respectfully believes that the present application is in condition for allowance. As a result, Applicant respectfully requests timely issuance of a Notice of Allowance for claims 1-21.

Petitioner Ex 1053 103

A fee in the amount of $50 is concurrently being paid via Patent Center for fees associated with entering the claim newly presented herein. Applicant hereby authorizes charging of Deposit Account No. 50-2623 for any additional fees associated with entering the aforementioned claim.

Applicant appreciates the Examiner's consideration of these Amendments and Remarks and cordially invites the Examiner to call the undersigned, should the Examiner consider any matters unresolved.

Respectfully submitted,

/Andrew C. Stark/

Andrew C. Stark
Registration No. 65,742
Phone 262-268-8100
acs@zpspatents.com

Dated: December 15, 2022
Attorney Docket No.: CET1090.082

P.O. ADDRESS:
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

Petitioner Ex 1053 104

General Authorization and Extension of Time

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2623. Should no proper payment be enclosed herewith, as by credit card authorization being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2623. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extensions under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-2623. Please consider this a general authorization to charge any fee that is due in this case, if not otherwise timely paid, to Deposit Account No. 50-2623.

/Andrew C. Stark/
Andrew C. Stark
Registration No. 65,742
Phone 262-268-8100
acs@zpspatents.com

Dated: December 15, 2022
Attorney Docket No.: CET1090.082

P.O. ADDRESS:
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074
262-268-8100

Petitioner Ex 1053 105

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/651,245	Filing Date 02/16/2022	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $240 =	
☐ 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).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	12/15/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 21	Minus	** 20	= 1		x $50 =	50
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $240 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	50

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	SLIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/ADRIENE D. SELLMAN/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. 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 12 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.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082	8244

26629 7590 09/15/2022

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

EXAMINER
HASAN, SYED O

ART UNIT	PAPER NUMBER
3747	

NOTIFICATION DATE	DELIVERY MODE
09/15/2022	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@zpspatents.com
jmf@zpspatents.com
lje@zpspatents.com

Office Action Summary	Application No. 17/651,245	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 --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 2/16/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-20 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-2,9,11-14,16 and 20 is/are rejected.

8) ☑ Claim(s) 3-8,10,15 and 17-19 is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 2/16/2022 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

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 USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The 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/process/file/efs/guidance/eTD-info-I.jsp.

3. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-2, 6, 8-10, 16, and 18-19 of U.S. Patent No. 10,598,101. Although the claims at issue are not identical, they are not patentably distinct from each other because the limitations are similar.

4. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 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 the limitations are similar.

Claim Rejections - 35 USC § 102

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of

rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

7. Claim(s) 1-2 and 11 is/are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Sugimoto (U.S. Publication 2007/0137591), hereinafter "Sugimoto".

Regarding claim 1, Sugimoto discloses a fuel selector of a dual fuel generator comprising: a selector switch (12) having a first fuel mode (cutoff mode shown in figure 7) and a second fuel mode (first position fuel bottle mode shown in figure 7); a fuel solenoid having open and closed positions (kill switch associated with fuel so 74 controls a fuel solenoid); and a solenoid switch (kill switch 74) having open and closed positions; wherein, when the selector switch (12) is in the first fuel mode (cutoff position shown in figure 7), the solenoid switch and the fuel solenoid are in the closed positions (shown in figure 7 that kill switch is closed) and, when the selector switch is in the second fuel mode (first position shown in figure 7), the solenoid switch (74) and the fuel solenoid are in the open positions (shown in figure 7). Examiner notes that claim 10 is very broad and does not mention the two different fuels. Therefore, the first fuel mode can be the fuel cut off mode and the second fuel mode can be regarded as the fuel bottle supply mode (first position).

Regarding claim 2, Sugimoto discloses the fuel selector of claim 10 wherein the selector switch (12) triggers the solenoid switch (74) 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 (shown in figure 7). Examiner notes that when the switch (12) is changed from a fuel bottle mode to the off mode, the kill switch (74) is triggered to be closed.

Regarding claim 11, Sugimoto discloses a fuel selector for use with a dual fuel generator (1), the fuel selector comprising: a valve assembly (assembly for valve 12, paragraph 83) fluidly connected to each of a first fuel source (Fa, 61, paragraph 71) and a second fuel source (Fb, 71, paragraph 73), the valve assembly being operable to selectively control a first fuel flow and a second fuel flow from the first fuel source and the second fuel source (paragraph 83), respectively, to an engine (30) of the dual fuel generator; and a selector switch (12) positioned on the valve assembly to allow a user to manually select one of the first fuel flow and the second fuel flow (paragraph 83).

Claim Rejections - 35 USC § 103

8. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

9. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have

> been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

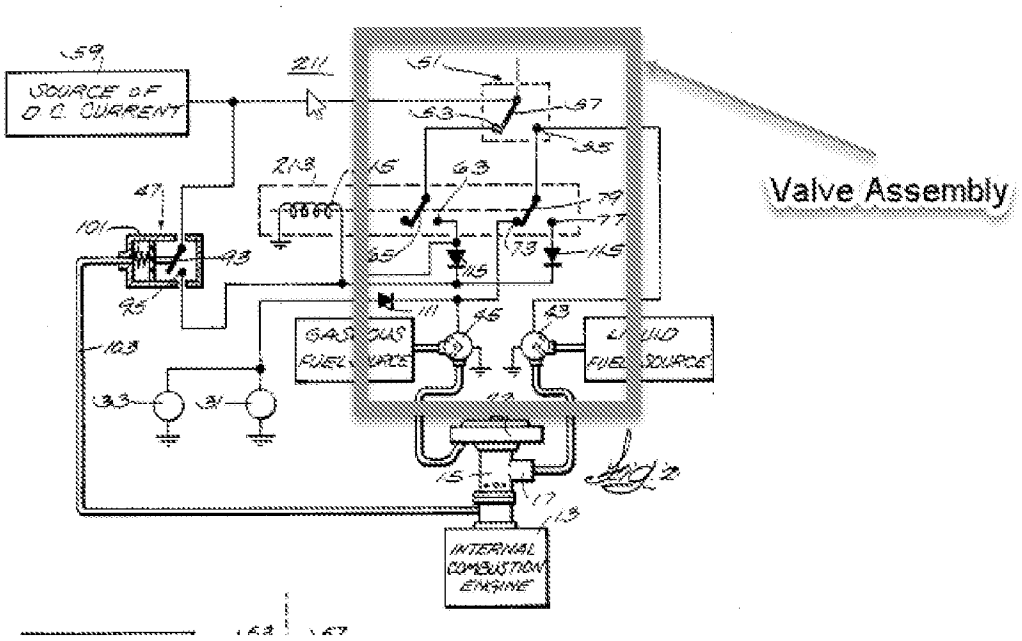
10. Claim(s) 9 and 17 is/are rejected under 35 U.S.C. 103 as being unpatentable over Sugimoto in view of Mott (U.S. Patent 3,696,333), hereinafter "Mott".

Regarding claims 9 and 17, Sugimoto discloses the same invention substantially as claimed except for a carburetor solenoid switch. However, Mott teaches the use of solenoid (24) controlled by a switch (25) for a carburetor (31) for the purpose of opening the automatic choke to allow for the carburetor to operate effectively when enough pressure is built up (column 2, lines 15-27). Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify Sugimoto by incorporating a carburetor solenoid (24) and switch (25) to selectively operate Sugimoto's carburetor (37b) for the purpose of opening the automatic choke to allow for the carburetor to operate effectively when enough pressure is built up.

11. Claim(s) 12-14, 16, and 20 is/are rejected under 35 U.S.C. 103 as being unpatentable over Sugimoto in view of Poehlman (U.S. Patent Number 4,489,699), hereinafter "Poehlman".

Regarding claim 12, Sugimoto discloses the same invention substantially as claimed but is silent to disclose the valve assembly having two fuel outputs. However, Poehlman teaches the use of a valve assembly that has two fuel outputs (fuel coming out of 45 and fuel coming out of 43) for the purpose of appropriately and effectively providing the different types of fuel without mixing. Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify Sugimoto by incorporating a valve assembly with two outputs as taught by Poehlman for the purpose of appropriately and effectively providing the different types

of fuel by preventing mixing. Examiner notes that Sugimoto does not go into detail of the valve assembly and shows one line for both types of fuel and Poehlman's valve assembly has two valves as shown below.



Regarding claim 13, Sugimoto and Poehlman disclose wherein the two fuel outputs (Poehlman, outputs of 45 and 43) selectively supply fuel to the engine from only one of the first fuel source (Sugimoto, Fa, 61, paragraph 71) or the second fuel source (Sugimoto, Fb, 71, paragraph 73), responsive to selection of the first fuel flow or the second fuel flow via the selector switch (Sugimoto, 12), and a corresponding operation of the valve assembly. Examiner notes that Sugimoto's selector switch 12 makes the choice of the type of fuel being supplied and Poehlman is brought herein as a reference only to the teach the valve assembly.

Regarding claim 14, Sugimoto discloses the same invention substantially as claimed, but is silent to disclose a first fuel valve having open and close positions to selectively control fuel flow and a second fuel valve having open and closed positions to selectively control fuel flow. However, Poehlman teaches the use of a first solenoid fuel valve (45) with open and close positions and a second solenoid fuel valve (43) with open and closed positions (column 4, lines 21-30) for the purpose of preventing leakage and providing fast response times. Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date of the invention to modify Sugimoto by incorporating solenoid valves to provide the different fuel flows of the different fuel sources as taught by Poehlman when and operator makes a fuel source selection through valve 12 of Sugimoto for the purpose of preventing leakage and providing fast response times. Examiner notes that Sugimoto allows for a user to selectively operate which fuel to use and with Poehlman in combination, allow for the fuel to be provided with a faster response time and without leakage. Poehlman is brought herein as a reference only to teach the different valves for each fuel source since Sugimoto is silent, and would not destroy the invention of Sugimoto.

Regarding claim 16, Sugimoto and Poehlman disclose the fuel selector of claim 2 wherein the selector switch (Sugimoto, 12) provides for manual actuation (Sugimoto allows for user to manually switch between different fuels) of the first fuel valve and the second fuel valve between the open and closed positions. Sugimoto in combination with Poehlman would allow for a manual actuation of the fuel valves since it is controlled by the operator switching to the fuel selection.

Regarding claim 20, Sugimoto and Poehlman disclose the fuel selector of claim 1 wherein the first fuel source (Poehlman, natural gas, 27)) is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline source (Poehlman, 21, column 3, lines 25-36). Examiner notes that Sugimoto is silent to teach the specific gases within the internal tank and the external tanks and Poehlman teaches LPG and gasoline.

Allowable Subject Matter

12. Claims 3-8, 10, 15, and 17-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

13. The following is a statement of reasons for the indication of allowable subject matter: There is no prior art that teaches all the limitations of claims 3 and 10, but more specifically, a valve assembly for a first and second fuel source, a selector switch enables selection of either the first fuel or the second fuel, and in which the solenoid switch is closed when the selector switch is in the first fuel mode.

There is no prior art that teaches all the limitations of claim 15, but more specifically, the first fuel valve and the second fuel valve are non-solenoid, mechanical valves.

There is no prior art that teaches all the limitations of claim 17, but more specifically, the selector switch automatically activating the carburetor switch when the selector switch is actuated to stop a second fuel flow to the engine. All depending claims are objected.

Conclusion

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

15. 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.

/SYED O HASAN/
Primary Examiner, Art Unit 3747
9/9/2022

Notice of References Cited	Application/Control No. 17/651,245	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 MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20040246118-A1	12-2004	Tharman, Paul A.	F01M11/12	340/450
*	B	US-4489699-A	12-1984	Poehlman; Arthur G.	F02B69/04	48/180.1
*	C	US-20060169238-A1	08-2006	Mazuka; Naoto	F02B63/04	290/1A
*	D	US-20040240141-A1	12-2004	Stolt, Peter E.	H01H47/18	361/160
*	E	US-20020125115-A1	09-2002	Burkholder, Robert F.	H01R13/465	200/51.11
*	F	US-20070137591-A1	06-2007	Sugimoto; Yasuhiro	F02M21/06	123/527
*	G	US-3696333-A	10-1972	Mott; Willard	F02N11/0803	340/425.5
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	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 MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC - Searched*		
Symbol	Date	Examiner
F02D19/0676,19/0613,19/0647,29/06,19/0681,F02M21/0293,21/0236,13/08,FO2B53/00,63/00,H02K1/22	09/09/2022	/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	09/09/2022	/S.O.H/
SEARCH strategy attached. Inventor name searches performed.	09/09/2022	/S.O.H/

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

	/SYED O HASAN/ Primary Examiner, Art Unit 3747

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/651,245	Sarder et al.
	Examiner	Art Unit
	SYED O HASAN	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	09/09/2022								
	1	✓								
	2	✓								
	3	O								
	4	O								
	5	O								
	6	O								
	7	O								
	8	O								
	9	✓								
	10	O								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	O								
	16	✓								
	17	O								
	18	O								
	19	O								
	20	✓								

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

		near3 switch) and (LPG near20 gasoline)	USOCR; FPRS; EPO; JPO; DERWENT)				03:53 PM
L32	321499	(select$4 near3 switch)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT)	OR	OFF	OFF	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").URPN.	(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

							04:38 PM
L50	0	48/180R.ccls.	(USPAT)	OR	OFF	OFF	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"|"20130098349"|"20060169238"|"20040240141"|"4489699").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

		(fuel))	JPO; DERWENT)				
L66	98	(generator).ti. and ((dual or multiple) near3 (fuel)) and (engine)	(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

		near3 switch)	JPO; DERWENT)				
L84	52	(gaseous near3 fuel) same (fuel near3 select$4 near3 switch)	(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").URPN.	(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

		bi) near3 (fuel)) same (valve) same (user or operator or manual or manually))	JPO; DERWENT)				
L124	310	(((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").URPN.	(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

		01").PN.					
L155	10	(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	gneerator 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

		switch))					
L166	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 02:41 PM
L167	14	("2006/0065216").URPN.	(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"|"4287908"|"4364370"|"4416244"|"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

		near3 fuel))					
L194	26	(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;9435273).pn.	(USPAT)	OR	ON	ON	2022/09/09 03:58 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/651,245	02/16/2022	Mark J. Sarder	CET1090.082

CONFIRMATION NO. 8244

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

PUBLICATION NOTICE

OC000000134252800

Title:DUAL FUEL SELECTOR SWITCH

Publication No.US-2022-0170421-A1
Publication Date:06/02/2022

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/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/651,245	02/16/2022	3747	830	CET1090.082	20	2

CONFIRMATION NO. 8244

FILING RECEIPT

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

OC000000131993177

Date Mailed: 02/23/2022

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.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

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 16/789,722 02/13/2020
which is a CON of 15/015,205 02/04/2016 PAT 10598101
which is a CON of 14/069,747 11/01/2013 PAT 9435273

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.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 02/22/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/651,245**

Projected Publication Date: 06/02/2022

Non-Publication Request: No

Early Publication Request: No

** **SMALL ENTITY** **

Title

DUAL FUEL SELECTOR SWITCH

Preliminary Class

123

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

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 U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

Petitioner Ex 1053 141

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/651,245

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	350		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	x 240 =	0.00			
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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	830		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
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))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
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))									
	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".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

DUAL FUEL SELECTOR SWITCH

CROSS-REFERENCE TO RELATED APPLICATION

[0001] The present application is a continuation of, and claims priority to, U.S. Patent Application Serial No. 16/789,722, filed on February 13, 2020, 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 section position, wherein the fuel selector switch is translatable between the first position and the section 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.

Petitioner Ex 1053 147

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 section position, wherein the fuel selector switch is translatable between the first position and the section 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 fuel selector of a dual fuel generator comprising:

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 to activate and deactivate the fuel solenoid;

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

2. The fuel selector of claim 1 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.

3. The fuel selector of claim 1 further comprising:

a valve assembly fluidly connected to each of a first fuel source and a second fuel source, the valve assembly being 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; and

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

4. The fuel selector of claim 3 wherein the valve assembly is positioned on or adjacent the selector switch.

5. The fuel selector of claim 3 wherein the valve assembly comprises:

two fuel inputs, with a first fuel input connected to the first fuel source and a second fuel input connected 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.

6. The fuel selector of claim 5 wherein the two fuel outputs selectively supply fuel to the engine from only one of the first fuel source or the second fuel source, 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.

7. The fuel selector of claim 5 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.

8. The fuel selector of claim 3 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline source.

9. The fuel selector of claim 1 wherein the fuel solenoid is a carburetor shutoff solenoid.

10. The fuel selector of claim 1 wherein positioning the selector switch in the first fuel mode enables the selection of a first fuel source to the generator, and positioning the selector switch in the second fuel mode enables the selection of a second fuel source to the generator.

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

a valve assembly fluidly connected to each of a first fuel source and a second fuel source, the valve assembly being 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; and

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

12. The fuel selector of claim 11 wherein the valve assembly comprises two fuel outputs for selectively supplying fuel to the engine from the first fuel source or the second fuel source.

13. The fuel selector of claim 12 wherein the two fuel outputs selectively supply fuel to the engine from only one of the first fuel source or the second fuel source, 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.

14. The fuel selector of claim 11 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.

15. The fuel selector of claim 14 wherein the first fuel valve and the second fuel valve are non-solenoid, mechanical valves.

16. The fuel selector of claim 14 wherein the selector switch provides for manual actuation of the first fuel valve and the second fuel valve between the open and closed positions.

17. The fuel selector of claim 11 further comprising a carburetor solenoid switch configured to activate an associated carburetor solenoid when actuated.

18. The fuel selector of claim 17 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 stop the second fuel flow to the engine.

19. The fuel selector of claim 18 wherein, when the selector switch is in a second position, the carburetor solenoid allows the second fuel flow to the engine.

20. The fuel selector of claim 11 wherein the first fuel source is a liquefied petroleum gas (LPG) fuel source and wherein the second fuel source is a gasoline source.

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.

Petitioner Ex 1053 160

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	**02/16/2022 09:35:46 AM ET**	**CET1090.082**

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	60533820	FILING DATE	-
CUSTOMER #	26629	FIRST NAMED INVENTOR	Mark J. Sarder
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Andrew Stark

Documents

TOTAL DOCUMENTS: 6

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2022.02.16 ADS.pdf	9	Application Data Sheet	1196 KB
2022.02.16 Pat App-APP.TEXT.docx	18	Application body structured text document	39 KB
2022.02.16 Declaration.pdf	3	Oath or Declaration filed	909 KB
2022.02.16 Formal Figures.pdf	6	Drawings-only black and white line drawings	5994 KB
2022.02.16 POA Transmittal.pdf	1	Power of Attorney	161 KB
2022.02.16 General POA.pdf	1	Power of Attorney	532 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2022.02.16 ADS.pdf	05FAE352FA206B141105D398783E94ADFB5A905FDB895FBF2D4F6C3C8D352ACB1EC7984ACAA98AD234DE970A56F11ECB44257C17B5560F7EAF234D18F5C4447E
2022.02.16 Pat App-APP.TEXT.docx	F08B00D4DEE0750FF53E2A8719C3754F9CE86A9D5CE7A793FA547465AF20D4677B814BA8DEC136798D8317135E69A4A04CCB395C0D9F9533EA69FF3A2740C104
2022.02.16 Declaration.pdf	CA13264F87187535D44A76F75BDAA44760490D9B6E75E480ED108B626AF2B216C8EC8FCC507C693E2C61ECFE510B257CB2DF53E663379230836B2D717FD797E4
2022.02.16 Formal Figures.pdf	AB9E8588892B56BE3A32FEA51B2FDCC155417C994995FD452ADFB90613E782CEC3BFBA3DE48F6D9C853E6EB5F54B86590C546D89AB7F688B9E90937DD50ED0D0
2022.02.16 POA Transmittal.pdf	492023016A20BF0D028E61D7E89739F83D0606497E9CD616B6C4AE615B75EB76661FB9384CAC100A5B308009DB29173CCB15AEBBBC35868F9EEB66FE9DECD1C1
2022.02.16 General POA.pdf	EEE57956C00EA36439F3ECE88A916468E3E89FD7148120590BEA9FD6029EA56802800079ABA1694B6C5ACAAE418CC56202680338D97979D157FAA73230CFFEB7

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.

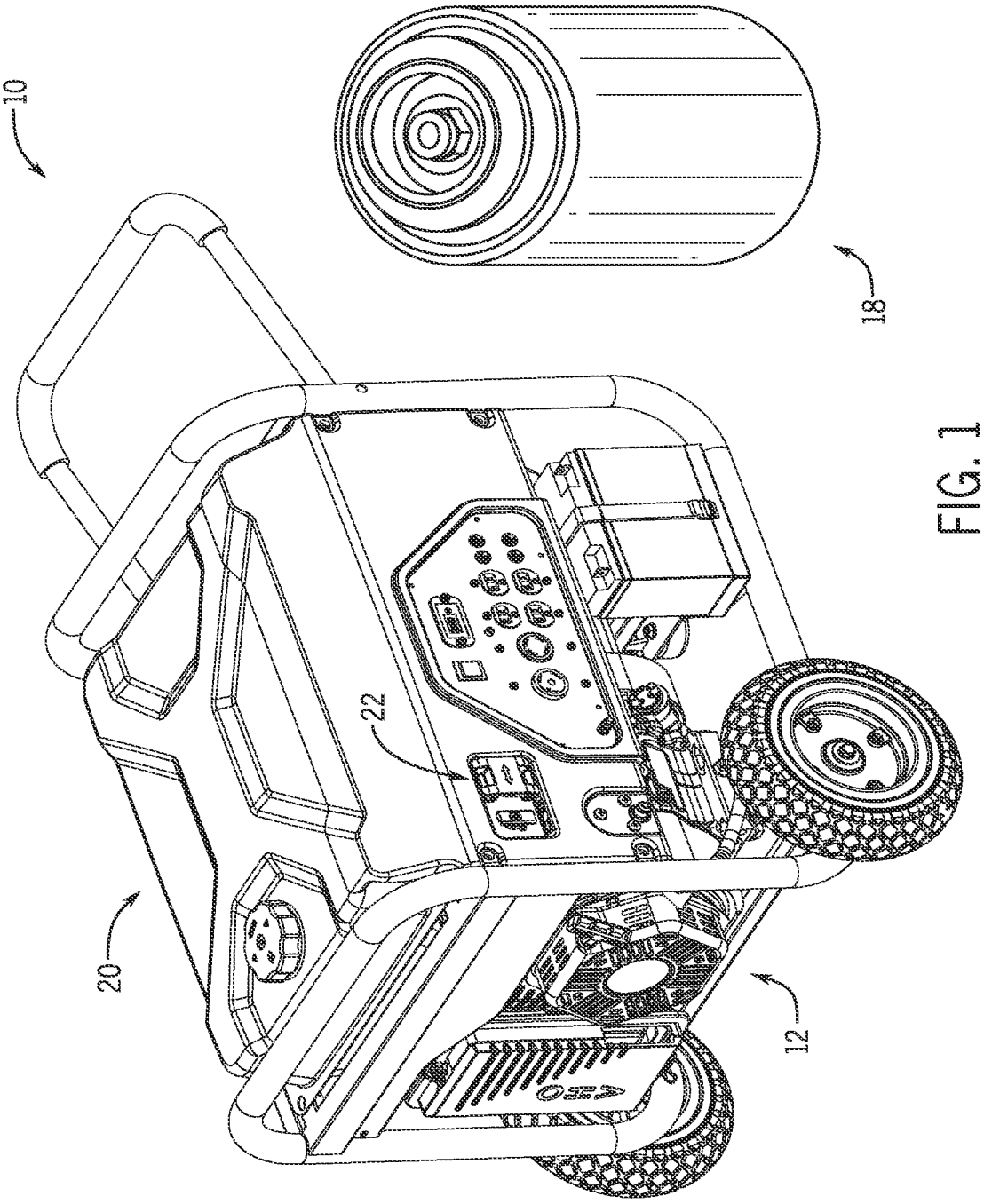


FIG. 1

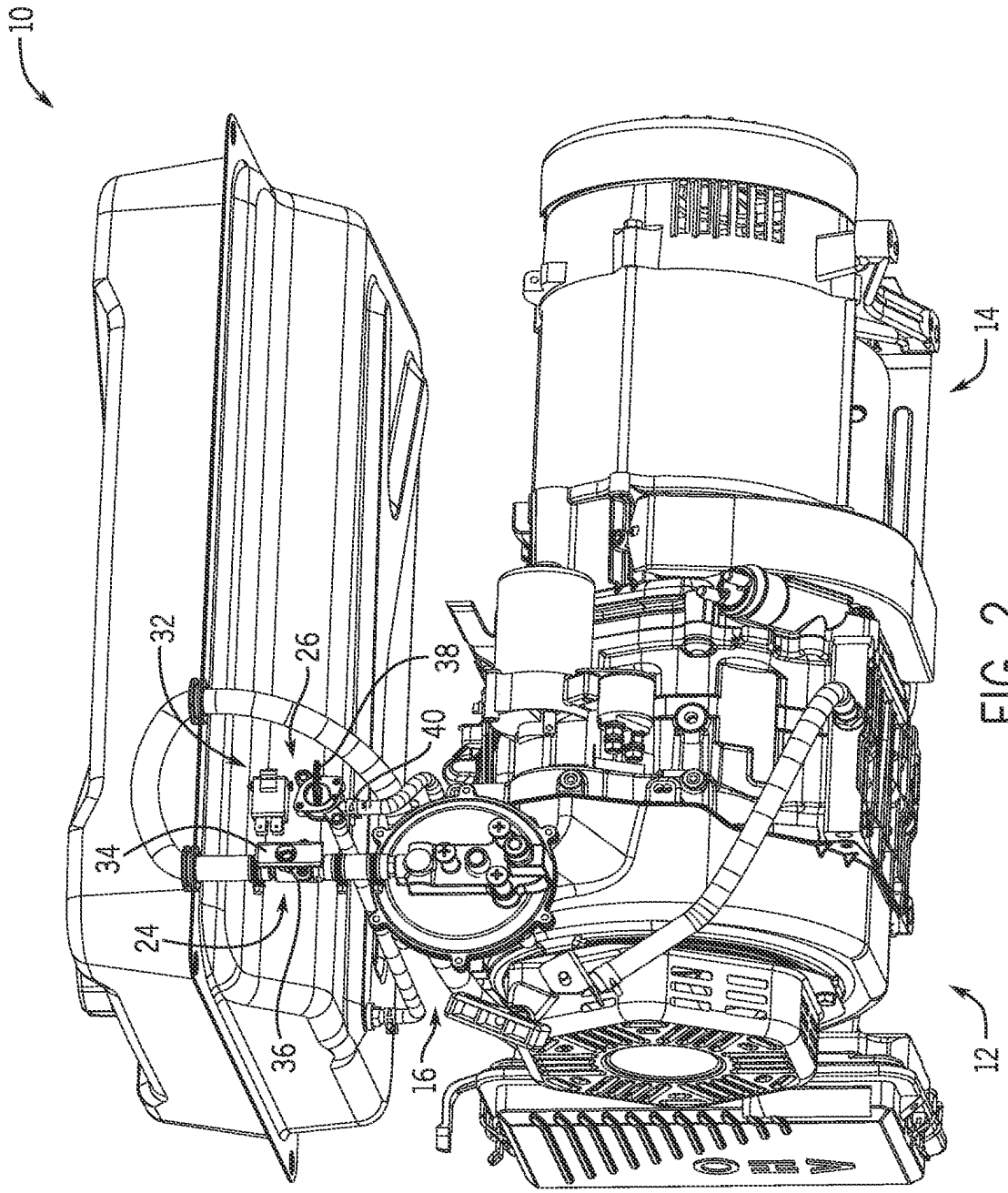


FIG. 2

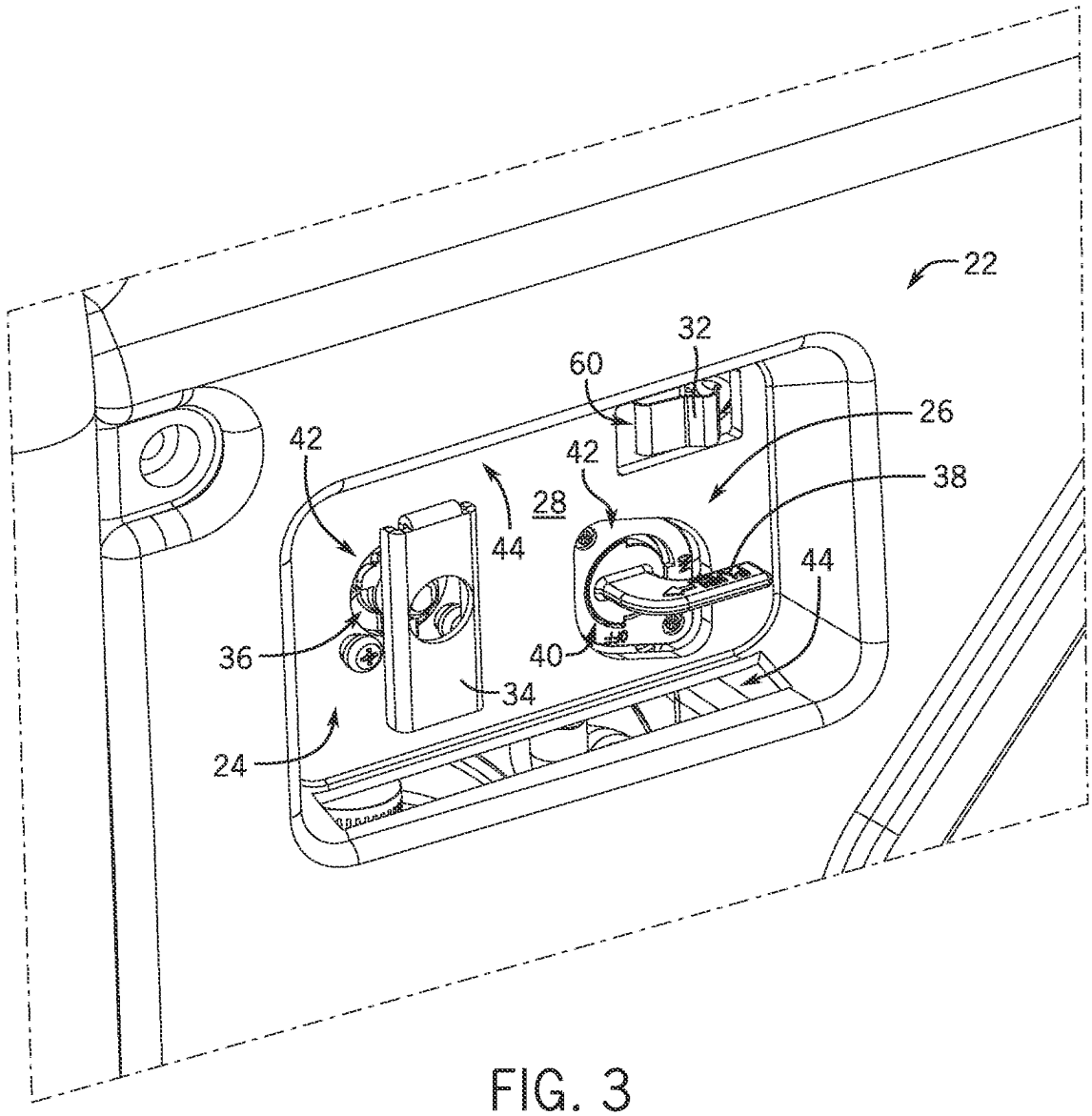


FIG. 3

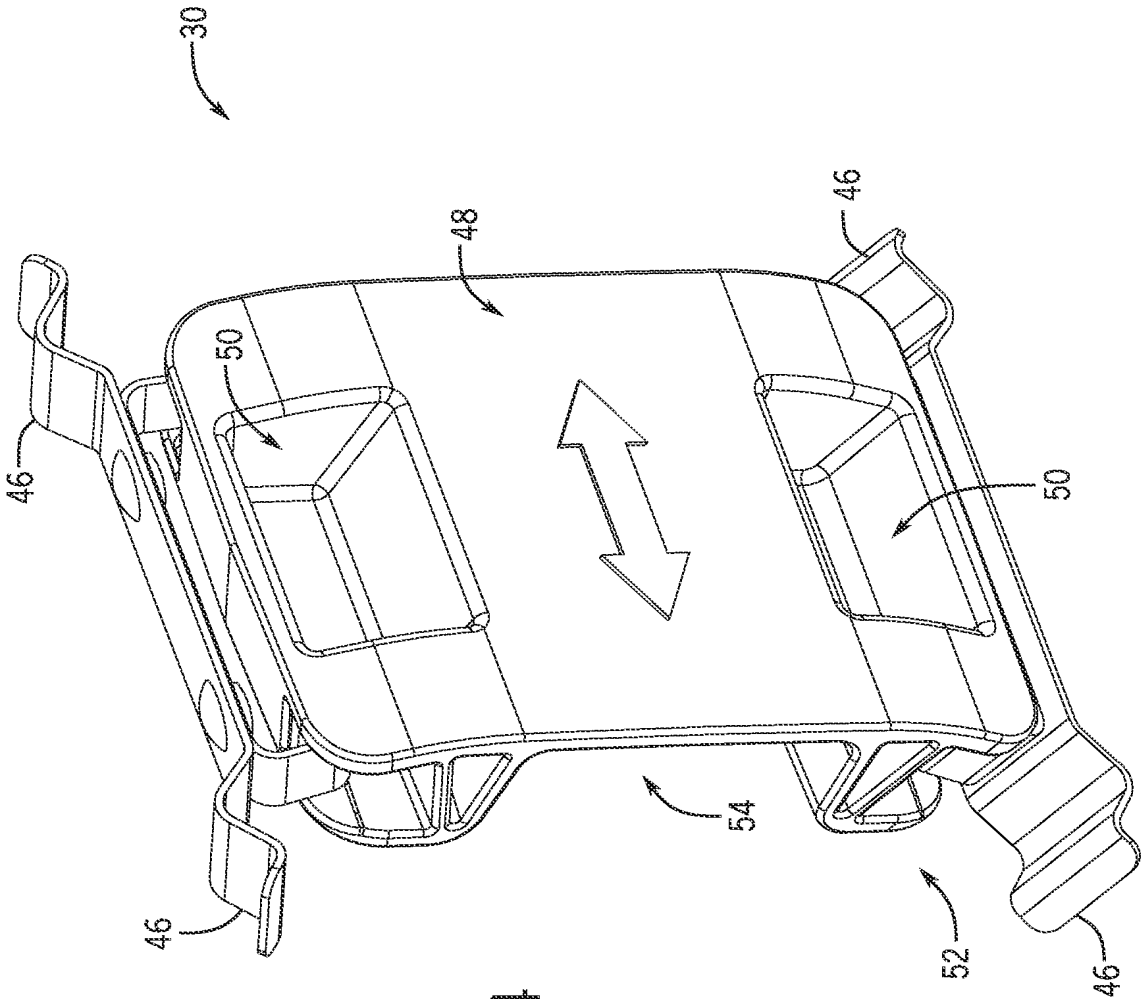


FIG. 4

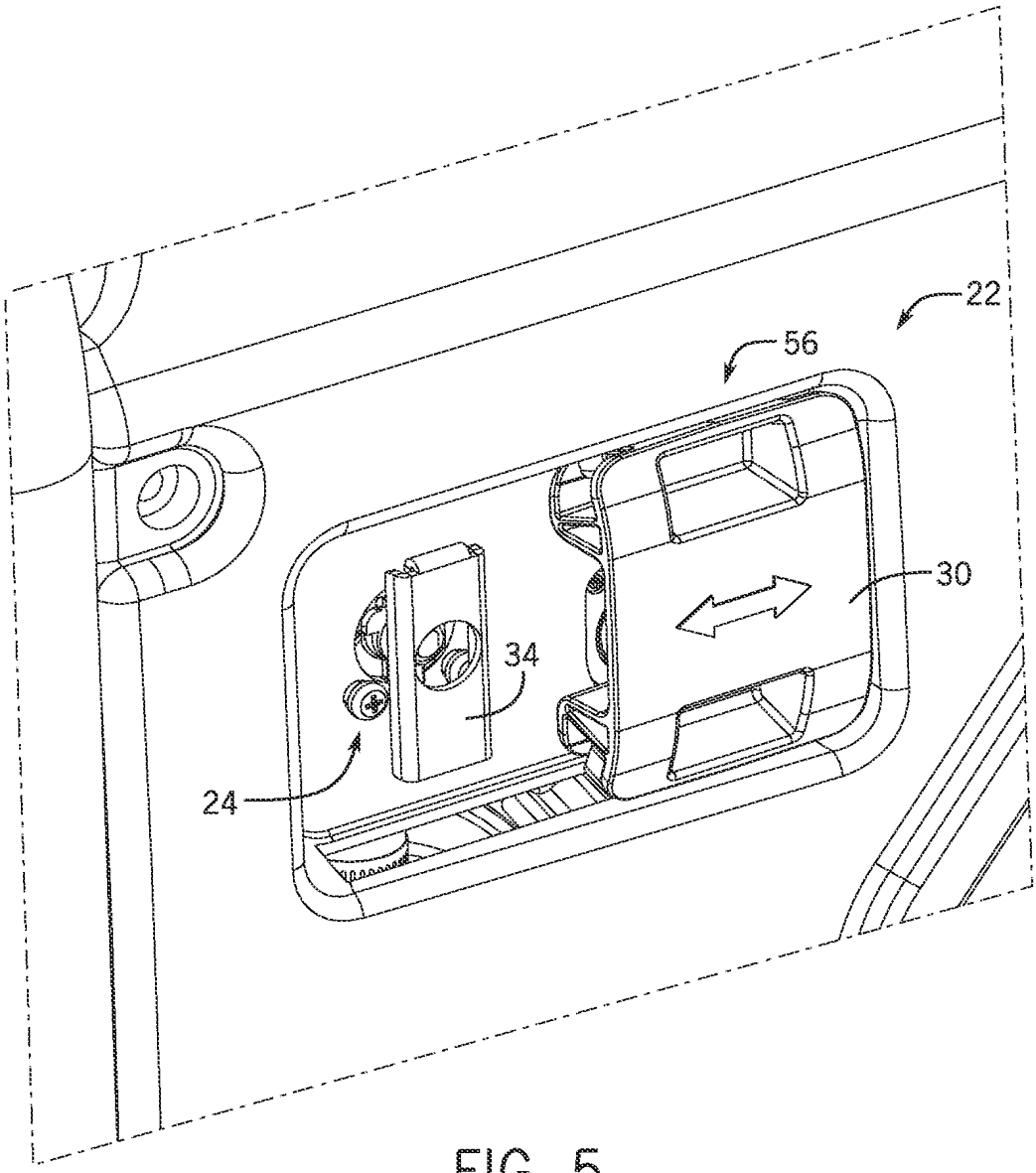


FIG. 5

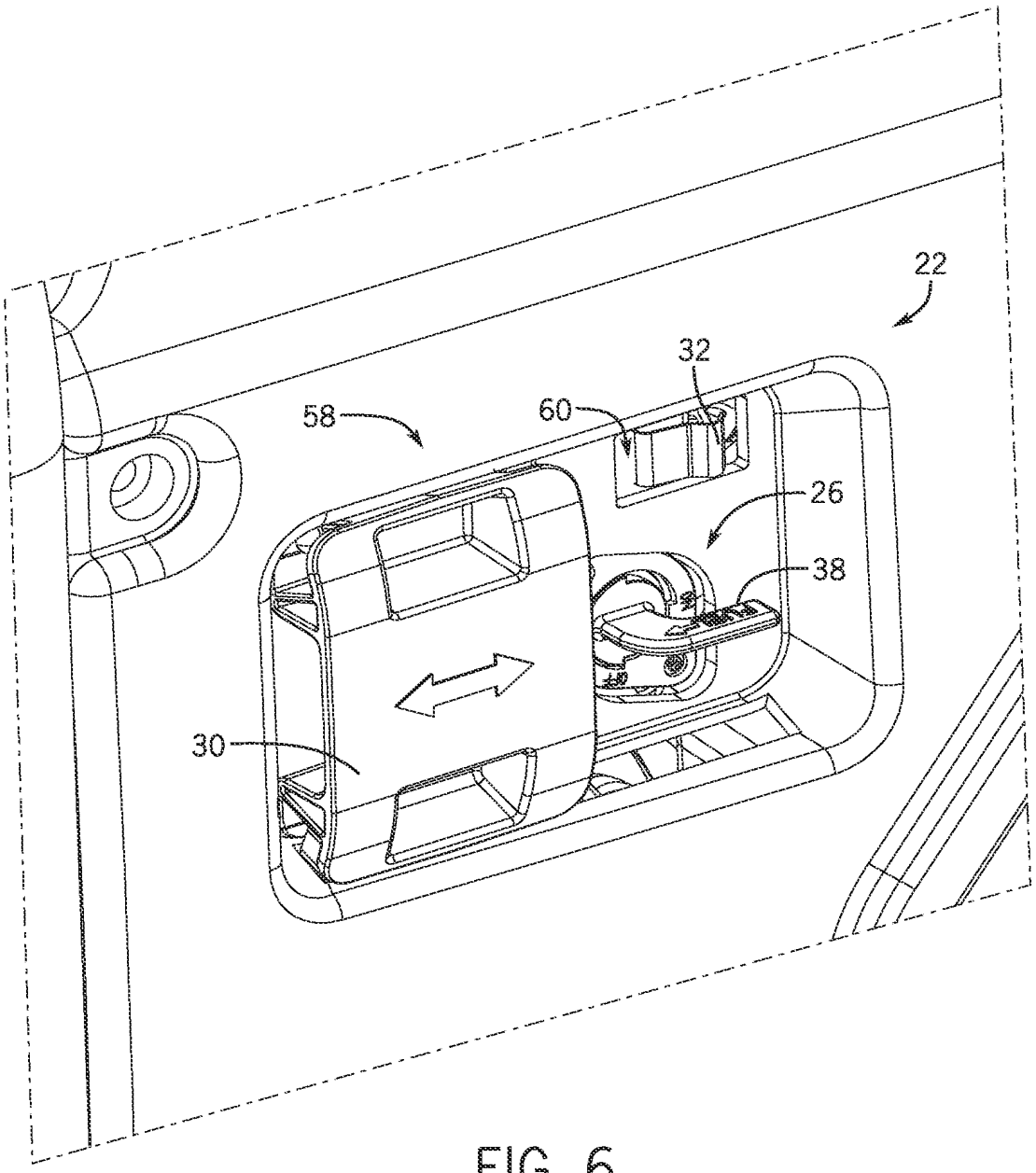


FIG. 6

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/651,245	02/16/2022 09:35:46 AM ET	CET1090.082

Title of Invention

DUAL FUEL SELECTOR SWITCH

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8244	FILED BY	Robyn Templin
PATENT CENTER #	60533820	AUTHORIZED BY	Andrew Stark
CUSTOMER #	26629	FILING DATE	-
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Mark J. Sarder

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 4529	E20222F039000013	Robyn Templin

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2111	UTILITY PATENT APPL. SEARCH FEE	350.00	1	350.00
4011	BASIC FILING FEE- UTILITY	80.00	1	80.00
2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	400.00	1	400.00
			TOTAL AMOUNT:	$830.00

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.

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.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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	State/Province	Country of Residence
Waukesha	WI	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	State/Province	Country of Residence
Hartland	WI	US

Mailing Address of Inventor:

Address 1	W245 N5551 Corporate 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 1053 172

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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 Corporate 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. Add

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	CET1090.082	**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 1053 173

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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	16789722	2020-02-13

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:

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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).

Remove

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. Add

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.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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**	CA
Country	US	Postal Code	90670
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.

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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:

Remove

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	/Andrew C. Stark/			Date (YYYY-MM-DD)	2022-02-16
First Name	Andrew C.	Last Name	Stark	Registration Number	65742

Additional Signature may be generated within this form by selecting the Add button. Add

PTO/AIA/14 (02-18)
Approved for use through 11/30/2020. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	CET1090.082
	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 CooperationTreaty.

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.

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:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Mark J. Sarder Date (Optional): 13/10/31

Signature: Mark Sarder

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.

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:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Leigh Jenison Date (Optional): 10·31·2013

Signature: Leigh Jenison

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.

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:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Ian Schmit Date (Optional): 10/31/13

Signature: Ian M Schmit

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.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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

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. 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 1.11 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.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	Mark J. Sarder
Title	DUAL FUEL SELECTOR SWITCH
Art Unit	
Examiner Name	
Attorney Docket Number	CET1090.082

SIGNATURE of Applicant or Patent Practitioner

Signature	/Andrew C. Stark/	Date (Optional)	2022-02-16
Name	Andrew C. Stark	Registration Number	65742
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.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 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.