UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002

CONFIRMATION NO. 8101

POWER OF ATTORNEY NOTICE

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

OC000000106518351

Date Mailed: 03/12/2019

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/07/2019.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rnegga/

Champion - EX2123, Page 1 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

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
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/069,747	11/01/2013	Mark J. Sarder	CHAMP-060A

CONFIRMATION NO. 8101

7663
STETINA BRUNDA GARRED & BRUCKER
75 ENTERPRISE, SUITE 250
ALISO VIEJO, CA 92656

POA ACCEPTANCE LETTER

OC000000106518399

Date Mailed: 03/12/2019

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/07/2019.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rnegga/

Champion - EX2123, Page 2 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

PTO/AIA/81A (02-15)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Patent Number	9,435,273
Issue Date	September 6, 2016
First Named Inventor	Mark J. Sarder
Title	DUAL FUEL SELECTOR SWITCH
Attorney Docket No.	CHAMP-060A

I hereby revoke all previous powers of attorney given in the above-identified patent.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith: 007663

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

☒ The address associated with the above-identified Customer Number.

OR

☐ The address associated with the Customer Number identified in the box at right:

OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the:

☐ Applicant.

OR

☒ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____

SIGNATURE of Applicant or Patent Owner

Signature		Date	02/14/2019
Name	DENNIS TRINE	Telephone	562-204-1156
Title and Company	CEO, CHAMPION POWER EQUIPMENT, INC.		

NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

☐ A total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. 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.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: CHAMPION ENGINE TECHNOLOGY, LLC

Application No./Patent No.: 9,435,273 Filed/Issue Date: September 6, 2016

Titled: DUAL FUEL SELECTOR SWITCH

CHAMPION POWER EQUIPMENT, INC., a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: SARDER, MARK J.; JENISON, LEIGH; SCHMIT, IAN To: CHAMPION ENGINE TECHNOLOGY, LLC

   The document was recorded in the United States Patent and Trademark Office at

   Reel 031529, Frame 0235, or for which a copy thereof is attached.

2. From: CHAMPION ENGINE TECHNOLOGY, LLC To: CHAMPION POWER EQUIPMENT, INC.

   The document was recorded in the United States Patent and Trademark Office at

   Reel 047681, Frame 0698, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. 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.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature	Date 02/14/2019
DENNIS TRINE	CEO
Printed or Typed Name	Title or Registration Number

Electronic Acknowledgement Receipt

EFS ID:	35352873
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Shunsuke Sumitani/Gloria Delgadillo
Filer Authorized By:	Shunsuke Sumitani
Attorney Docket Number:	CET1090.002
Receipt Date:	07-MAR-2019
Filing Date:	01-NOV-2013
Time Stamp:	13:40:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA.pdf	894836 37253ae8e499c28b6629879168e9bb11a19ba381	no	1

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	StatementUnder37CFR.pdf	1673627 813c37044b603f8e2e76e949aaa002ed290c38f1	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2568463		

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 a 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

CERTIFICATE OF CORRECTION

PATENT NO. : 9,435,273 B2
APPLICATION NO. : 14/069747
DATED : September 6, 2016
INVENTOR(S) : Sarder et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

Col. 2, line 22, delete "section position," and
substitute therefore -- second position, --; and

Col. 2, line 23, delete "section position" and
substitute therefore -- second position --.

Col. 4, line 6, delete "source **18**," and
substitute therefore -- source **18, 20** --.

Col. 7, line 39, delete "section position," and
substitute therefore -- second position, --; and

Col. 7, line 40, delete "section position" and
substitute therefore -- second position --.

In the Claims

Col. 9, line 46 (Claim 9), delete "section position;" and
substitute therefore -- second position; --; and

Col. 9, line 48 (Claim 9), delete "section position" and
substitute therefore -- second position --; and

Col. 9, line 60 (Claim 10), delete "section position;" and
substitute therefore -- second position; --.

Signed and Sealed this
Fifteenth Day of November, 2016

Michelle K. Lee

Michelle K. Lee
Director of the United States Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number	:	9,435,273 B2
Issued	:	September 6, 2016
Name of Patentee	:	Sarder et al.
Title of Invention	:	DUAL FUEL SELECTOR SWITCH

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT (37 CFR 1.323)

1. It is noted that errors appear in this patent of a clerical nature or characterized as more fully described below and would not constitute new matter or would not require re-examination. A Certificate of Correction is requested.

2. Attached hereto is Form PTO-1050 which should be suitable for printing.

3. The errors to be corrected are as follows:

In the Specification

Col. 2, line 22, delete "section position," and
substitute therefore -- second position, --; and

Col. 2, line 23, delete "section position" and
substitute therefore -- second position --.

Col. 4, line 6, delete "source **18**," and
substitute therefore -- source **18**, **20** --.

Col. 7, line 39, delete "section position," and
substitute therefore -- second position, --; and

Col. 7, line 40, delete "section position" and
substitute therefore -- second position --.

In the Claims

Col. 9, line 46 (Claim 9), delete "section position;" and
substitute therefore -- second position; --;

Col. 9, line 48 (Claim 9), delete "section position" and
substitute therefore -- second position --; and

Col. 9, line 60 (Claim 10), delete "section position;" and
substitute therefore -- second position; --.

4. Please send the Certificate to:

Timothy J. Ziolkowski
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074

5. Certificate of Correction fee under 37 CFR 1.20(a) included.

Date: 9/28/16

Timothy J. Ziolkowski
Registration No. 38,368
Telephone: (262) 268-8100
Facsimile: (262) 268-8185

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 9,435,273 B2

APPLICATION NO. : 14/069,747

ISSUE DATE : September 6, 2016

INVENTOR(S) : Sarder et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

Col. 2, line 22, delete "section position," and
substitute therefore -- second position, --; and

Col. 2, line 23, delete "section position" and
substitute therefore -- second position --.

Col. 4, line 6, delete "source **18**," and
substitute therefore -- source **18**, **20** --.

Col. 7, line 39, delete "section position," and
substitute therefore -- second position, --; and

Col. 7, line 40, delete "section position" and
substitute therefore -- second position --.

In the Claims

Col. 9, line 46 (Claim 9), delete "section position;" and
substitute therefore -- second position; --; and

Col. 9, line 48 (Claim 9), delete "section position" and
substitute therefore -- second position --; and

Col. 9, line 60 (Claim 10), delete "section position;" and
substitute therefore -- second position; --.

(Also Form PTO-1050)

MAILING ADDRESS OF SENDER:

Timothy J. Ziolkowski
Ziolkowski Patent Solutions Group, SC
136 South Wisconsin Street
Port Washington, WI 53074

PATENT NO: 9,435,273 B2

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Electronic Patent Application Fee Transmittal

Application Number:	14069747
Filing Date:	01-Nov-2013
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Filer:	Timothy J. Ziolkowski/Robyn Templin
Attorney Docket Number:	CET1090.002

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Certificate of correction	1811	1	100	100

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**100**

Electronic Acknowledgement Receipt

EFS ID:	27064918
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Timothy J. Ziolkowski/Robyn Templin
Filer Authorized By:	Timothy J. Ziolkowski
Attorney Docket Number:	CET1090.002
Receipt Date:	28-SEP-2016
Filing Date:	01-NOV-2013
Time Stamp:	18:23:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$100
RAM confirmation Number	092916INTEFSW18242601
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	ReqForCOC.pdf	168947 8da735efd476b3475a695ff69747d052b82c2a78	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30553 53059fd520ef76be6016ae8339266f335f904b05	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	199500		

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 a 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

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.
14/069,747	09/06/2016	9435273	CET1090.002	8101

26629 7590 08/17/2016

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.

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 187 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 Application Information Retrieval (PAIR) WEB site (http://pair.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 Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Champion Engine Technology, LLC, Sussex, WI;
Mark J. Sarder, Waukesha, WI;
Leigh Jenison, Hartland, WI;
Ian Schmit, Cedarburg, WI;

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.

OPAP AUG 0 3 2016 PATENT & TRADEMARK OFFICE

IFW

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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 including the Patent, advance orders and notification of maintenance fees 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.

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

26629 7590 05/09/2016
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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Robyn L. Templin	(Depositor's name)
Robyn L. Templin	(Signature)
8/3/16	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CBT1090.002	8101

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	$0	$480	08/09/2016

EXAMINER	ART UNIT	CLASS-SUBCLASS
HASAN, SYED O	3747	123-525000

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/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form 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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Champion Engine Technology, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Sussex, WI

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

4a. The following fee(s) are submitted:
- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
- ☐ A check is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____ Date 8/3/16

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

08/04/2016 HUUONG2 00000007 14069747
01 FC:2501 480.00 OP

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PAGE 1/2 * RCVD AT 8/3/2016 3:42:20 PM [Eastern Daylight Time] * SVR:W-PTOFAX-002/38 * DNIS:2732885 * CSID:2622688185 * DURATION (mm-ss):01-02
Champion EX2123, Page 17 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

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 05/09/2016

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: 05/09/2016

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

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	$0	$480	08/09/2016

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 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity 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 and an extra copy of the form should be submitted. 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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 02/11)

Champion - EX2123, Page 18 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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 including the Patent, advance orders and notification of maintenance fees 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.

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

26629 7590 05/09/2016
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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

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	$0	$480	08/09/2016

EXAMINER	ART UNIT	CLASS-SUBCLASS
HASAN, SYED O	3747	123-525000

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/SB/122) attached.
- ❑ "Fee Address" indication (or "Fee Address" Indication form 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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:
- ❑ Issue Fee
- ❑ Publication Fee (No small entity discount permitted)
- ❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ❑ A check is enclosed.
- ❑ Payment by credit card. Form PTO-2038 is attached.
- ❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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. _____

Champion - EX2123, Page 19 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

26629 7590 05/09/2016

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: 05/09/2016

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.

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Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

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 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, 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. 14/069,747	Applicant(s) SARDER ET AL.	
	Examiner SYED O. HASAN	Art Unit 3747	AIA (First Inventor to File) 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 *3/31/2016*.
   ☐ 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 *1,3-16 and 18-21*. 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/ Examiner, Art Unit 3747	/LINDSAY LOW/ Supervisory Patent Examiner, Art Unit 3747

DETAILED ACTION

1. This action is in response to applicant's amendment received on 3/31/2016. Amended claims 1, 3, 6, 8, 15, and 18-20 are acknowledged and the following new grounds of rejection below are formulated. Claims 2 and 17 are cancelled.

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, 3-16, and 18-21 are allowed.

4. The following is an examiner's statement of reasons for allowance: With regards to claim 1, there is no prior art that teaches a fuel selector for use with a dual fuel generator, the fuel selector comprising: a first fuel valve having open and closed positions to selectively control a first fuel flow to an engine of the dual fuel generator; a second fuel valve having open and closed positions to selectively control a second fuel flow to the engine of the dual fuel generator; a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively open and close the first fuel valve, respectively; a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively open and close the second fuel valve, respectively; a selector plate positioned adjacent the first and second valve handles; and a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow; wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector

switch between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time. Clams 3-9 depend on claim 1 and are therefore allowable.

With regards to claim 10, there is no prior art that teaches a method of controlling fuel flow in a dual fuel generator, the method comprising: 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; 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; and 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. Claims 11-14 depend on claim 10 and are therefore allowable.

With regards to claim 15, there is no prior art that teaches a dual fuel generator comprising: a first fuel source; a second fuel source; an internal combustion engine

coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector comprises: a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; and a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves; a selector plate to which the first fuel valve assembly and the second fuel valve assembly are coupled to a front side thereof, wherein the selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the second fuel source is being provided to the internal combustion engine: wherein 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 wherein 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. Claims 16, and 18-20 depend on claim 15 and are therefore allowable.

With regards to claim 21, there is no prior art that teaches a fuel selector for use with a dual fuel generator, the fuel selector comprising: a first fuel valve having open and closed positions to selectively control a first fuel flow to an engine of the dual fuel generator; a second fuel valve having open and closed positions to selectively control a second fuel flow to the engine of the dual fuel generator; a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow; a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively open and close the first fuel valve, respectively; a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively open and close the second fuel valve, respectively; and a selector plate positioned adjacent the first and second valve handles; wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector switch between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time.

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

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 on Monday to Friday, 9:00AM - 5:30 PM EST.

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 an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SYED O HASAN/
Examiner, Art Unit 3747
4/21/2016

/LINDSAY LOW/
Supervisory Patent Examiner, Art Unit 3747

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	SARDER ET AL.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC- SEARCHED		
Symbol	Date	Examiner
F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22	6/26/2015	/S.O.H./

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
123	525, 2, 3	6/26/2015	/S.O.H./
290	1A	6/26/2015	/S.O.H./
137	383	6/26/2015	/S.O.H./
	Updated Search	12/21/2015	/S.O.H./

SEARCH NOTES		
Search Notes	Date	Examiner
Searched in subclasses 123/525, 2-3, 290/1A, 137/383 and F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22 with keywords such as generator, selector switch, groove, slot, etc.	6/26/2015	/S.O.H./
EAST search strategy attached. Invnetor name searches performed.	6/26/2015	/S.O.H./

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.	4/21/2016	/S.O.H./

/SYED O HASAN/ Examiner.Art Unit 3747	

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	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
Y10T		137	/	0318	A	2015-04-01
Y10T		137	/	0491	A	2015-04-01
Y10T		137	/	87684	A	2015-04-01
F02D		19	/	0647	I	2013-01-01
F02D		29	/	06	A	2013-01-01
F02D		19	/	0613	I	2013-01-01
Y02T		10	/	36	A	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
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/SYED O HASAN/ Examiner.Art Unit 3747 (Assistant Examiner)	04/21/2016 (Date)	**Total Claims Allowed:** 19	
/LINDSAY LOW/ Supervisory Patent Examiner.Art Unit 3747 (Primary Examiner)	05/02/2016 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 3

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	SARDER ET AL.
	Examiner	**Art Unit**
	SYED O HASAN	3747

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
123	3

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
123	2				
123	525				
123	575				
290	1A				

INTERNATIONAL CLASSIFICATION					
CLAIMED					**NON-CLAIMED**
F	0	2	B	43 / 08 (2006.01.01)	
F	0	2	B	63 / 00 (2006.01.01)	
F	0	2	M	21 / 02 (2006.01.01)	
F	0	2	B	13 / 00 (2006.01.01)	
F	0	2	B	63 / 04 (2006.01.01)	

/SYED O HASAN/ Examiner.Art Unit 3747	04/21/2016	**Total Claims Allowed:** 19	
(Assistant Examiner)	(Date)		
/LINDSAY LOW/ Supervisory Patent Examiner.Art Unit 3747	05/02/2016	O.G. Print Claim(s) 1	O.G. Print Figure 3
(Primary Examiner)	(Date)		

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1		17												
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15	16														

/SYED O HASAN/ Examiner.Art Unit 3747 (Assistant Examiner)	04/21/2016 (Date)	**Total Claims Allowed:** 19	
/LINDSAY LOW/ Supervisory Patent Examiner.Art Unit 3747 (Primary Examiner)	05/02/2016 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 3

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	((Mark) near2 (Sarder)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:16
S2	2	((Leigh) near2 (Jenison)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:17
S3	2	((Ian) near2 (Schmit)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:18
S4	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S5	3	123/525.ccls. and (dual near3 fuel near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S6	2	123/525.ccls. and (((multiple near3 fuel) or bi-fuel) near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:21
S7	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	2015/06/23 14:22
S8	236	(((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:22
S9	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	2015/06/23 14:23
S10	458	f02D19/0676.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:23
S11	17	F02D19/0676.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:24
S12	6	F02M21/0293.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 14:24

			EPO; JPO; DERWENT			
S13	14	F02M21/0236.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:25
S14	18	F02M21/0233.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:27
S15	21	F02M13/08.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:29
S16	0	(generator) and (dual near3 fuel) and (selectro near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S17	16	(generator) and (dual near3 fuel) and (selector near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S18	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	2015/06/23 14:33
S19	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	2015/06/23 14:39
S20	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	2015/06/23 14:40
S21	728	137/383.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S22	96	137/384.8.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S23	0	317/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:04
S24	133	273/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 15:04

			EPO; JPO; DERWENT			
S25	161	292/4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:06
S26	106	292/290.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:07
S27	578	49/503.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:15
S28	92	123/2-3.ccls. and (fuel near5 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:16
S29	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S30	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S31	19	(fuel near3 select$4 near3 switch) and (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:53
S32	321499	(select$4 near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S33	1395	(select$4 near3 switch) same (enclosure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S34	123	(switch) same (enclosure) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:56
S35	0	(switch) same (genset) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:58
S36	11	(genset) and ((switch) same (first near3 valve) same (second near3 valve))	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 15:58

			EPO; JPO; DERWENT			
S37	550	(slider near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:17
S38	28	(slider near3 switch).ti.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:19
S39	2	("7135651" | "7223931").PN. OR ("7772508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 16:20
S40	209	200/241.ccls.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S41	45	200/241.ccls. and (groove or slot)	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S42	151	290/1A.ccls. and (groove or slot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:24
S43	414	290/1A.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:25
S44	45	290/1A.ccls. and (select$4 near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:25
S45	16208	(select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S46	42	(fuel near3 select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S47	1	("2004/0240141").URPN.	USPAT	OR	OFF	2015/06/23 16:31
S48	436	261/16.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S49	18	261/16.ccls. and switch	USPAT	OR	OFF	2015/06/23 16:38
S50	0	48/180R.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S51	0	48/180C.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S52	0	48/180C.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S53	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 16:39

			EPO; JPO; DERWENT			
S54	215	123/525.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S55	76	123/525.ccls. and (switch) and (dual near3 fuel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S56	15	("20130122439" | "20130098349" | "20060169238" | "20040240141" | "4489699").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/29 14:24
S57	2	(dual near3 fuel near3 engine) same (fuel near3 handle)	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/17 18:15
S58	3	(dual near3 fuel near3 engine) same (fuel near3 handle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:16
S59	16	(dual near3 fuel near3 engine) same (fuel near3 lever)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:17
S60	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	2015/12/17 18:23
S61	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	2015/12/17 18:45
S62	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	2015/12/17 18:45
S63	4939	(gas near3 station).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:55
S64	39	(gas near3 station).ti. and lever	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:55
S65	292	(generator).ti. and ((dual or multiple) near3 (fuel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:56

S66	98	(generator).ti. and ((dual or multiple) near3 (fuel)) and (engine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:56
S67	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	2015/12/17 18:56

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(dual near3 fuel near3 (engine or generator)) same (fuel near3 (valve or supply) near3 (lever or switch or handle)).clm.	USPAT	OR	OFF	2016/04/21 19:37

4/21/2016 7:51:58 PM
C:\Users\shasan2\Documents\EAST\Workspaces\Dual Fuel Selector Switch 14069747.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	Art Unit
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

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

CLAIM		DATE								
Final	Original	06/29/2015	04/21/2016							
1	1	✓	=							
	2	O	-							
2	3	O	=							
3	4	O	=							
4	5	O	=							
5	6	O	=							
6	7	✓	=							
7	8	O	=							
8	9	O	=							
9	10	=	=							
10	11	=	=							
11	12	=	=							
12	13	=	=							
13	14	=	=							
14	15	✓	=							
15	16	✓	=							
	17	O	-							
16	18	O	=							
17	19	O	=							
18	20	O	=							
19	21		=							

Customer No. 26629 Patent
Confirmation No. 8101 Attorney Docket No. CET1090.002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	14/069,747
Filed	:	November 1, 2013
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:

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□ 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**

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□ transmitted by facsimile to Fax No.: 571-273-8300 addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

■ transmitted by EFS-WEB addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

Date: March 31, 2016 /Robyn L. Templin/
Signature

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

SUPPLEMENTAL AFTER-FINAL AMENDMENT/RESPONSE TO FINAL OFFICE ACTION MAILED DECEMBER 31, 2015

Dear Sir:

Responsive to the Final Office Action mailed December 31, 2015, please amend the application as follows:

In the Claims

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

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

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

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

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

a selector plate positioned adjacent the first and second valve handles; and

a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow;

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

2. (Canceled)

3. (Currently Amended) The fuel selector of claim ~~2~~ 1 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. (Original) The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation

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when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. (Original) The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. (Currently Amended) The fuel selector of claim ~~2~~ 1 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

7. (Original) The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. (Currently Amended) The fuel selector of claim ~~2~~ 1 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. (Original) The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. (Original) A method of controlling fuel flow in a dual fuel generator, the method comprising:

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

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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;

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; and

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.

11. (Original) The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. (Original) The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

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13. (Original) The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

14. (Original) The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. (Currently Amended) A dual fuel generator comprising:

a first fuel source;

a second fuel source;

an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector comprises:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; ~~and~~

a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves;

a selector plate to which the first fuel valve assembly and the second fuel valve assembly are coupled to a front side thereof, wherein the selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the second fuel source is being provided to the internal combustion engine;

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wherein 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

wherein 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.

16. (Original) The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

17. (Canceled)

18. (Currently Amended) The dual fuel generator of claim ~~17~~ 15 wherein the selector switch comprises:

a front side and a back side; and

a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

19. (Currently Amended) The dual fuel generator of claim ~~17~~ 15 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. (Currently Amended) The dual fuel generator of claim ~~17~~ 15 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically and the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

21. (Previously Presented) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow;

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

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

a selector plate positioned adjacent the first and second valve handles;

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

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REMARKS

Claims 1-21 are pending in the present application. In the Final Office Action mailed December 31, 2015, the Examiner rejected claims 1, 7, 15, and 16 under 35 U.S.C. §103 as being unpatentable over Poehlman (USP 4,489,699).

Claims 10-14 and 21 are allowed. Claims 2-6, 8, 9, and 17-20 were indicated as containing allowable subject matter. Such indication is appreciated.

Advisory Action

In the Advisory Action mailed March 24, 2016, the Examiner maintained the rejection of independent claims 1 and 15 under 35 U.S.C. §103(a) as being unpatentable over Poehlman,. The Examiner also indicated that 2-6, 8, 9, and 17-20 contain allowable subject matter and that claims 10-14 and 21 are allowed.

Responsive to the remaining rejection of independent claims 1 and 15 under 35 U.S.C. §103(a), and without acquiescing to the rejection, Applicant has elected to file a Supplemental Response in which claim 1 has been amended to incorporate the allowable subject matter of claim 2 and in which claim 15 has been amended to incorporate the allowable subject matter of claim 17.

In light of the amendments, claims 1 and 15 are believed to be in condition for allowance, and Applicant thus respectfully requests withdrawal of the rejection of claims 1 and 15 under 35 U.S.C. §103(a), along with all claims depending therefrom.

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, 3-16 and 18-21.

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.

Dated: March 31, 2016
Attorney Docket No.: CET1090.002

Respectfully submitted,

/Kevin R. Rosin/

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

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

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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.

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

Dated: March 31, 2016
Attorney Docket No.: CET1090.002

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

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Electronic Acknowledgement Receipt

EFS ID:	25354841
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Kevin Roger Rosin./Robyn Templin
Filer Authorized By:	Kevin Roger Rosin.
Attorney Docket Number:	CET1090.002
Receipt Date:	31-MAR-2016
Filing Date:	01-NOV-2013
Time Stamp:	09:51:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		SupplementalResponse.pdf	126732 b6f0b964bb5765eb272cbe2c77900b082b0d0638	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Supplemental Response or Supplemental Amendment	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	9
Warnings:			
Information:			
	Total Files Size (in bytes):	126732	

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 a 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)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
14/069,747	11/01/2013	

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 $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ 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

AMENDMENT **03/31/2016**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 19	Minus	** 21	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 4	Minus	***4	= 0	X $210 =	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

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ 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.

** 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 number found in the appropriate box in column 1.

LIE
/RUTH LLOYD/

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

26629 7590 03/24/2016

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
03/24/2016	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
sml@zpspatents.com

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 14/069,747	**Applicant(s)** SARDER ET AL.	
	Examiner SYED O. HASAN	**Art Unit** 3747	**AIA (First Inventor to File) Status** Yes

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

THE REPLY FILED 29 February 2016 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.
   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☐ will not be entered, or (b) ☒ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed: 10-14.
    Claim(s) objected to: 2-6,8,9 and 17-21.
    Claim(s) rejected: 1,7,15 and 16.
    Claim(s) withdrawn from consideration: .

/LINDSAY LOW/ Supervisory Patent Examiner, Art Unit 3747	/SYED O HASAN/ Examiner, Art Unit 3747

Continuation of 12. does NOT place the application in condition for allowance because: The rejected independent claims are still not in condition for allowance. Applicant argues that the selector switch is not adjacent to the first and second fuel valves. Examiner notes that the specification does not mention a special definition for "adjacent" and that the schematic of Poehlman can teach the selector switch being "adjacent" to the first and second fuel valves relative to a specific part of the engine assembly. It is a relative term. Applicant argues that Poehlman does not teach a user to manually select the fuel control since the fuel control valves are energized. However, an operator controls the fuel selector switch which directly affects choosing a first or second fuel. Applicant argues against the design choice of a fuel lever for the fuel valves. However, it is obvious to provide a lever for the fuel valve for emergency shut off for example. Examiner notes that putting any of the limitations of claims 2-6, 8-9, 10-14, or 17-21 into any of the independent claims 1, 7, or 15 would appear to make the case allowable.

OK TO ENTER: /SH/

In the Claims

1. (Previously Presented) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

2. (Previously Presented) The fuel selector of claim 1 further comprising:

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

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

a selector plate positioned adjacent the first and second valve handles;

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

3. (Original) The fuel selector of claim 2 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. (Original) The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation

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when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. (Original) The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. (Previously Presented) The fuel selector of claim 2 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

7. (Original) The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. (Previously Presented) The fuel selector of claim 2 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. (Original) The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. (Original) A method of controlling fuel flow in a dual fuel generator, the method comprising:

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

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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;

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; and

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.

11. (Original) The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. (Original) The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

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13. (Original) The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

14. (Original) The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. (Previously Presented) A dual fuel generator comprising:

a first fuel source;

a second fuel source;

an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector comprises:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; and

a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

16. (Original) The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

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17. (Previously Presented) The dual fuel generator of claim 16 wherein the fuel selector further comprises:

a selector plate to which the first fuel valve assembly and the second fuel valve assembly are coupled to a front side thereof, wherein the selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the second fuel source is being provided to the internal combustion engine;

wherein 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

wherein 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.

18. (Previously Presented) The dual fuel generator of claim 17 wherein the selector switch comprises:

a front side and a back side; and

a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

19. (Previously Presented) The dual fuel generator of claim 17 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. (Previously Presented) The dual fuel generator of claim 17 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically and the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

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21. (Previously Presented) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow;

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

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

a selector plate positioned adjacent the first and second valve handles;

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

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Customer No. 26629 Patent
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In re Application of	:	Sarder et al.
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For	:	DUAL FUEL SELECTOR SWITCH
Group Art No.	:	3747
Examiner	:	Syed O. Hasan

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

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AFTER-FINAL
AMENDMENT/RESPONSE TO FINAL OFFICE ACTION
MAILED DECEMBER 31, 2015

Dear Sir:

Responsive to the Final Office Action mailed December 31, 2015, please consider the following remarks:

In the Claims

1. (Previously Presented) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

2. (Previously Presented) The fuel selector of claim 1 further comprising:

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

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

a selector plate positioned adjacent the first and second valve handles;

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

3. (Original) The fuel selector of claim 2 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. (Original) The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation

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when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. (Original) The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. (Previously Presented) The fuel selector of claim 2 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

7. (Original) The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. (Previously Presented) The fuel selector of claim 2 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. (Original) The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. (Original) A method of controlling fuel flow in a dual fuel generator, the method comprising:

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

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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;

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; and

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.

11. (Original) The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. (Original) The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

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13. (Original) The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

14. (Original) The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. (Previously Presented) A dual fuel generator comprising:

a first fuel source;

a second fuel source;

an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector comprises:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; and

a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

16. (Original) The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

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17. (Previously Presented) The dual fuel generator of claim 16 wherein the fuel selector further comprises:

a selector plate to which the first fuel valve assembly and the second fuel valve assembly are coupled to a front side thereof, wherein the selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the second fuel source is being provided to the internal combustion engine;

wherein 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

wherein 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.

18. (Previously Presented) The dual fuel generator of claim 17 wherein the selector switch comprises:

a front side and a back side; and

a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

19. (Previously Presented) The dual fuel generator of claim 17 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. (Previously Presented) The dual fuel generator of claim 17 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically and the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

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21. (Previously Presented) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow;

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

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

a selector plate positioned adjacent the first and second valve handles;

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

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REMARKS

Claims 1-21 are pending in the present application. In the Final Office Action mailed December 31, 2015, the Examiner rejected claims 1, 7, 15, and 16 under 35 U.S.C. §103 as being unpatentable over Poehlman (USP 4,489,699).

Claims 10-14 are allowed. Claims 2-6, 8, 9, and 17-21 were indicated as containing allowable subject matter. Such indication is appreciated.

Rejection under 35 U.S.C. §103 as being unpatentable over Poehlman

Claim 1

The Examiner rejected claim 1 under 35 U.S.C. §103 as being unpatentable over Poehlman.

Claim 1 calls for a fuel selector for use with a dual fuel generator and that includes a first fuel valve having open and closed positions to selectively control a first fuel flow to an engine of the dual fuel generator, a second fuel valve having open and closed positions to selectively control a second fuel flow to the engine of the dual fuel generator, and a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

In rejecting claim 1, the Examiner stated (in part) that "Poehlman discloses the same invention substantially as claimed such as a fuel selector (51)… but is silent to disclose that the selector switch is positioned adjacent of the first and second fuel valves." *Final Office Action*, December 31, 2015, p. 2-3. The Examiner also stated that "Examiner notes that Poehlman shows in figure 1 just a schematic of the invention and the selector switch can still be considered as being 'adjacent' to the first and second fuel valves" and that "[t]he word 'adjacent' does not define how close the fuel valves must be to the selector switch and therefore any switch that is remotely close can read on this claim." *Id.* at 3. The Examiner further stated that "[l]astly, Examiner notes that an operator can control selector switch (51) and that it directly affects the opening or closing of the fuel valves." *Id.* Applicant respectfully disagrees with the rejection. Specifically, Applicant believes that Poehlman fails to teach or suggest that which is called for in claim 1 at least for the reason that Poehlman does not disclose a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

Initially, Applicant respectfully submits that the Examiner's interpretation of the term "adjacent" is overly broad. MPEP §2111 states that "the meaning given to a claim term must be

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consistent with the ordinary and customary meaning of the term (unless the term has been given a special definition in the specification), and must be consistent with the use of the claim term in the specification and drawings" and that "the broadest reasonable interpretation of the claims must be consistent with the interpretation that those skilled in the art would reach." *MPEP 2111*. A skilled artisan would readily recognize that the term "adjacent" means "lying near, close, or contiguous; adjoining; neighboring." *See Dictionary.com*, http:// http://dictionary.reference.com/browse/adjacent. The present Specification supports this interpretation of the term "adjacent." For example, Paragraphs [0024] and [0026] and FIGS. 3, 5 and 6 describe and illustrate that "first valve assembly 24 and second valve assembly 26 are positioned adjacent to the selector plate 28 of fuel selector 22," with selector switch 30 being mated on selector plate 28 adjacent first valve assembly 24 and second valve assembly 26. Based on this disclosure and the plain meaning of the term "adjacent", one skilled in the art would understand that the term "adjacent" as referring to the selector switch "lying near, close, or contiguous; adjoining; neighboring" the first and second fuel valves.

When the limitations of claim 1 are properly interpreted, it is clear that Poehlman does not teach a selector switch positioned adjacent the first and second fuel valves. Instead, Poehlman discloses a control apparatus 11 for selectively operating an internal combustion engine 13 on a first or gaseous fuel and on a second or liquid fuel. *Poehlman*, Col. 3, lns. 25-27. The engine includes a carburetor 15 which is connected through a supply line 19 with a source 21 of liquid fuel, such as, for instance, gasoline. *Poehlman*, Col. 3, lns. 27-31. The engine 13 also includes a gaseous fuel air mixer 23 which communicates with the carburetor 15, and which is connected through a supply line 25 with a source 27 of gaseous fuel, such as, for instance, natural gas. *Poehlman*, Col. 3, lns. 31-35. The engine 13 also includes control means 41 for selective change-over between use of liquid fuel and gaseous fuel. *Poehlman*, Col. 3, lns. 62-64. In this regard, the control means 41 includes a liquid fuel control valve 43 which is incorporated in the liquid fuel supply line 19 and is movable between open and closed positions, and includes a gaseous fuel control valve 45 which is incorporated in the gaseous fuel supply line 25 and is movable between open and closed positions. *Poehlman*, Col. 3, ln. 64 to Col. 4, ln. 6.

The control means 41 also includes a primary or fuel selector switch 51 which is operator-controlled and which is movable between a first or gaseous fuel position and a second or liquid fuel position. *Poehlman*, Col. 4, lns. 16-20. The control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the liquid fuel control valve 43, thereby opening the liquid fuel control valve 43. *Poehlman*, Col. 4, lns. 21-24. In addition, the

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control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the gaseous fuel control valve 45, and thereby open the gaseous fuel control valve 45. *Poehlman*, Col. 4, lns. 24-30. More particularly, the selector switch 51 comprises a gaseous fuel terminal 53, a liquid fuel terminal 55, and a primary switch member 57 connected to a source 59 of direct current and movable between a first position energizing the liquid fuel terminal 55 and a second position energizing the gaseous fuel terminal 53. *Poehlman*, Col. 5, lns. 1-6. In operation, when switching from liquid fuel to gaseous fuel, the operator moves the fuel selector switch 51 to the gaseous fuel position. *Poehlman*, Col. 6, lns. 21-23. As a result, the liquid fuel control valve 43 is consequently deenergized and turns off the liquid fuel supply to the carburetor 15. *Poehlman*, Col. 6, lns. 23-25. To change to liquid fuel from gaseous fuel, the operator moves the fuel selector switch 51 to the liquid fuel position. *Poehlman*, Col. 6, lns. 43-45. Such movement energizes the liquid fuel control valve 53 to the open position. *Poehlman*, Col. 6, lns. 45-46.

However, there is no disclosure provided in Poehlman that fuel selector switch 51 is positioned adjacent liquid fuel control valve 43 and gaseous fuel control valve 45. In fact, the schematic view of the control apparatus 11 provided in FIG. 1 of Poehlman illustrates that the fuel selector switch 51 is positioned distally from the liquid fuel control valve 43 and gaseous fuel control valve 45 on the control apparatus 11. While the Examiner has asserted that the schematic in FIG. 1 of Poehlman provides that "the selector switch can still be considered as being 'adjacent' to the first and second fuel valves," *Final Office Action*, supra at 3, such an assertion is not supported by that which is shown and described in Poehlman. That is, there is simply no disclosure provided in Poehlman regarding the positioning of the fuel selector switch 51 relative to the liquid fuel control valve 43 and gaseous fuel control valve 45 that would support the Examiner's position that the selector switch 51 can be considered as being "adjacent" to the fuel valves 43, 45. In fact, as the liquid fuel control valve 43 and gaseous fuel control valve 45 are "energized" and "deenergized" by use of selector switch 51 (i.e., electronically controlled) and not manually actuated by use of the selector switch, there is no teaching or suggestion that the selector switch 51 would necessarily be positioned adjacent the fuel valves 43, 45.

In addition to the failure of Poehlman to teach or suggest positioning of the selector switch adjacent the first and second fuel valves, Poehlman also does not teach or suggest the limitation in claim 1 of the selector switch allowing a user to manually select one of the first fuel flow and the second fuel flow. That is, Poehlman does not employ a manual selection of one of the first fuel flow and the second fuel flow, but instead discloses that the liquid fuel control valve

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43 and gaseous fuel control valve 45 are "energized" and "deenergized" to actuate the valves and provide for selective flows of the liquid and gaseous fluids. *Poehlman*, Col. 4, lns. 21-30. This electronic control of valves 43, 45 via selective connection of a source 59 of DC power thereto by way of a gaseous fuel terminal 53 and a liquid fuel terminal 55 to a primary switch member 57 of fuel selector switch 51 is not a "manual selection one of the first fuel flow and the second fuel flow" as called for in claim 1, but instead is an *electronic* selection of a first fuel flow and second fuel flow.

While the Examiner has maintained the position that Poehlman teaches a selector switch allowing a user to manually select one of the first fuel flow and the second fuel flow, asserting that "an operator can control selector switch (51) and that it directly affects the opening or closing of the fuel valves," *id.* at 3, such a position is simply not supported by the disclosure of Poehlman. That is, Poehlman clearly teaches that an *electronic* selection of a first fuel flow and second fuel flow – with Poehlman disclosing that "[t]he control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the liquid fuel control valve 43, thereby opening the liquid fuel control valve 43" *Poehlman*, Col. 4, lns. 21-24, and that "the control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the gaseous fuel control valve 45, and thereby open the gaseous fuel control valve 45." *Poehlman*, Col. 4, lns. 24-30. A skilled artisan would readily recognize that the electronic selection of the liquid fuel and gaseous fuel in Poehlman via selector switch 51 is not a "selector switch allowing a user to manually select one of the first fuel flow and the second fuel flow," as called for in claim 1.

In light of all the above, Applicant believes that the Examiner has not the met the *prima facie* burden required to support a rejection under 35 U.S.C. §103 as set forth in *KSR Int'l. Co. v. Teleflex Inc.*, 127 S. Ct. 1727 (2007), as the Examiner has not set forth "some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *KSR*, 127 S. Ct. at 1741, quoting *In re Kahn*, 441 F.3d 977, 988 (Fed. Cir. 2006). Instead, the Examiner has stretched that which is disclosed in Poehlman in an attempt to read on that which is called for in claim 1 – with the Examiner relying solely on an interpretation of Poehlman that "can [ ] be considered" to read on claim 1.

Accordingly, Applicant believes that claim 1 is patentably distinct from that which is disclosed in Poehlman. Applicant therefore respectfully requests withdrawal of the rejection of claim 1 under 35 U.S.C. §103 as being unpatentable over Poehlman, along with all claims depending therefrom.

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Claim 15

The Examiner rejected claim 15 under 35 U.S.C. §103 as being unpatentable over Poehlman.

Claim 15 calls for a dual fuel generator including a first fuel source, a second fuel source, an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom and a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector further comprises a first fuel valve assembly including a first fuel valve and a first fuel valve handle 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 actuatable between an open position and a closed position to selectively open and close the second fuel valve, and a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

In rejecting claim 15, the Examiner stated that "Poehlman discloses the claimed invention but is silent to disclose that the first and second fuel valves have handles." *Final Office Action*, supra at 4. The Examiner then asserted that "[i]t would have been an obvious matter of design choice to provide the fuel valves with handles for operator actuation, since applicant has not disclosed that such handles for the fuel valves solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well if not better with energized actuation of the fuel valves instead of an operator turning the handles." *Id.* Applicant respectfully disagrees with the rejection, as set forth in detail below.

Initially, with respect to the Examiner's assertion that it would merely be a matter of "design choice" to provide the fuel valves with handles for operator actuation, Applicant would note that the MPEP only makes reference to "design choice" as rationale for an obviousness rejection with respect to a "rearrangement of parts." *See MPEP 2144.04(VI)(C)*. Applicant would note that MPEP 2144.04(VI)(C) further states that, with respect to a "design choice" rejection, "[t]he mere fact that a worker in the art could rearrange the parts of the reference device to meet the terms of the claims on appeal is not by itself sufficient to support a finding of obviousness" and that "[t]he prior art must provide a motivation or reason for the worker in the art, without the benefit of appellant's specification, to make the necessary changes in the reference device." (citing *Ex parte Chicago Rawhide Mfg. Co.*, 223 USPQ 351, 353 (Bd. Pat. App. & Inter. 1984)). Based on the teachings of Poehlman, Applicant contends that it would not be merely a matter of

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"design choice" to have substituted the selector switch of Poehlman with fuel valve handles, as asserted by the Examiner.

As set forth above, Poehlman discloses a control apparatus 11 for selectively operating an internal combustion engine 13 on a first or gaseous fuel and on a second or liquid fuel. *Poehlman*, Col. 3, lns. 25-27. The engine includes a carburetor 15 which is connected through a supply line 19 with a source 21 of liquid fuel, such as, for instance, gasoline. *Poehlman*, Col. 3, lns. 27-31. The engine 13 also includes a gaseous fuel air mixer 23 which communicates with the carburetor 15, and which is connected through a supply line 25 with a source 27 of gaseous fuel, such as, for instance, natural gas. *Poehlman*, Col. 3, lns. 31-35. The engine 13 also includes control means 41 for selective change-over between use of liquid fuel and gaseous fuel. *Poehlman*, Col. 3, lns. 62-64. In this regard, the control means 41 includes a liquid fuel control valve 43 which is incorporated in the liquid fuel supply line 19 and is movable between open and closed positions, and includes a gaseous fuel control valve 45 which is incorporated in the gaseous fuel supply line 25 and is movable between open and closed positions. *Poehlman*, Col. 3, ln. 64 to Col. 4, ln. 6. The control means 41 also includes a primary or fuel selector switch 51 which is operator-controlled and which is movable between a first or gaseous fuel position and a second or liquid fuel position. *Poehlman*, Col. 4, lns. 16-20. In operation, when switching from liquid fuel to gaseous fuel, the operator moves the fuel selector switch 51 to the gaseous fuel position. *Poehlman*, Col. 6, lns. 21-23. As a result, the liquid fuel control valve 43 is consequently deenergized and turns off the liquid fuel supply to the carburetor 15. *Poehlman*, Col. 6, lns. 23-25. To change to liquid fuel from gaseous fuel, the operator moves the fuel selector switch 51 to the liquid fuel position. *Poehlman*, Col. 6, lns. 43-45. Such movement energizes the liquid fuel control valve 53 to the open position. *Poehlman*, Col. 6, lns. 45-46.

However, it would not be merely a matter of "design choice" to have substituted the selector switch 51 that energizes/deenergizes fuel valves 43, 45 in Poehlman with fuel valves with handles for operator actuation, as asserted by the Examiner. That is, the design of Poehlman is specifically directed to a control means 41 that is operable (via selector switch 51 and other components) to energize and deenergize the liquid fuel control valve 43 and gaseous fuel control valve 45, with the control means also controlling operation of a vacuum switch 47 that operates in conjunction with the electronically fuel valves 43, 45 to provide a controlled transition between the liquid and gaseous fuels. *See Poehlman*, Col. 4, lns. 45-68 and Col. 6, ln. 21 to Col. 7, ln. 8. Were fuel valve handles to be added to the system of Poehlman, there would no longer be any interaction between the electronic energizing/deenergizing of fuel valves 43, 45

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and the controlling of vacuum switch 47 – which is the intended novelty of Poehlman, and thus with respect to the modifications proposed by the Examiner, the Examiner has not provided any "motivation or reason for the worker in the art, without the benefit of appellant's specification, to make the necessary changes in the reference device," as required to show that such modifications/changes are merely a design choice under MPEP 2144.04(VI)(C).

Furthermore, the Examiner's rejection of claim 15 solely on the basis of the claimed elements therein being a matter of "design choice" is insufficient for properly supporting the basis of the rejection of claim 15 under 35 U.S.C. §103(a). That is, as set forth in *KSR*, "rejections on obviousness grounds cannot be sustained by mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398, 418 (2007) (quoting *In re Kahn*, 441 F.3d 977, 988 (Fed. Cir. 2006)). Here, the Examiner's assertion lacks any rational underpinning and is illogical when viewed in light of that which is disclosed in Poehlman. As stated above, the design of Poehlman is specifically directed to a control means 41 that is operable (via selector switch 51 and other components) to energize and deenergize the liquid fuel control valve 43 and gaseous fuel control valve 45, with the control means also controlling operation of a vacuum switch 47 that operates in conjunction with the electronically fuel valves 43, 45 to provide a controlled transition between the liquid and gaseous fuels, *see Poehlman*, Col. 4, lns. 45-68 and Col. 6, ln. 21 to Col. 7, ln. 8, such that there is no rational reason or underpinning that would support modifying this design in order to replace the electronically controlled selector switch 51 for energizing/deenergizing fuel valves 43/45 with fuel valve handles that are actuatable to selectively open and close the fuel valves.

In light of at least the above, Applicant believes that claim 15 is patentably distinct from that which is disclosed in Poehlman. Applicant therefore respectfully requests withdrawal of the rejection of claim 15 under 35 U.S.C. §103 as being unpatentable over Poehlman, along with all claims depending therefrom.

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.

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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,

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

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Attorney Docket No.: CET1090.002

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

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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.

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

Dated: February 29, 2016
Attorney Docket No.: CET1090.002

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

Champion - EX2123, Page 75 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

Electronic Acknowledgement Receipt

EFS ID:	25043850
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Kevin Roger Rosin./Robyn Templin
Filer Authorized By:	Kevin Roger Rosin.
Attorney Docket Number:	CET1090.002
Receipt Date:	29-FEB-2016
Filing Date:	01-NOV-2013
Time Stamp:	10:34:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Response.pdf	189905 904b6494e80e940ab19eb498b8c497ef801c2cea	yes	16

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response After Final Action	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	16
Warnings:			
Information:			
	Total Files Size (in bytes):	189905	

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 a 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
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/069,747	Filing Date 11/01/2013	☐ 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 $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ 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

AMENDMENT **02/29/2016**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 21	Minus	** 20	= 1	X $40 =	40
Independent (37 CFR 1.16(h))	* 4	Minus	***3	= 1	X $210 =	210
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	250

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ 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.
** 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 number found in the appropriate box in column 1.

LIE
/ERNEST MARFO/

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

26629 7590 12/31/2015

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
12/31/2015	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
sml@zpspatents.com

Office Action Summary	Application No. 14/069,747	Applicant(s) SARDER ET AL.	
	Examiner SYED O. HASAN	Art Unit 3747	AIA (First Inventor to File) 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 *10/7/2015*.

☐ 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) *10-14* is/are allowed.

7)☒ Claim(s) *1,7,15 and 16* is/are rejected.

8)☐ Claim(s) *2-6,8,9 and 17-21* 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 *5/18/2015* 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 10/7/2015. Amended claims 1, 15, 17, 20 and new claim 21 are acknowledged and the following new grounds of rejection below are formulated.

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 § 103

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 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 of this title, 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.

5. Claims 1, 7, and 15-16 are rejected under 35 U.S.C. 103 as being unpatentable over Poehlman (U.S. Patent Number 4,489,699), hereinafter “Poehlman”.

Regarding claim 1, Poehlman discloses the same invention substantially as claimed such as a fuel selector (51) in which fuel selector comprising: a first fuel valve (45) having open and closed positions to selectively control a first fuel flow (flow

associated with line 25) to an engine (13) of the dual fuel system (column 5, lines 22-35); a second fuel (21) having open and closed positions to selectively control a second fuel flow (flow associated with 19) to the engine (13) of the dual fuel system (column 4, lines 31-40); and a selector switch (57) to allow a user to manually (column 4, lines 16-20) select one of the first fuel flow and the second fuel flow (column 4, lines 31-40), but is silent to disclose that the selector switch is positioned adjacent of the first and second fuel valves and that the system is in particular for a generator. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the selector switch adjacent to the first and second fuel valves, since it has been held that rearranging parts of an invention involves only routine skill in the art. In re Japikse, 86 USPQ 70. Examiner notes that Poehlman shows in figure 1 just a schematic of the invention and the selector switch can still be considered as being "adjacent" to the first and second fuel valves. Furthermore, the word "adjacent" does not define how close the fuel valves must be to the selector switch and therefore any switch that is remotely close can read on this claim. Lastly, Examiner notes that an operator can control selector switch (51) and that it directly affects the opening or closing of the fuel valves.

Poehlman discloses the same invention substantially as claimed except for the system being used in particular for a generator. However, the examiner takes Official Notice that it is well known in the art that duel fuel systems are used in a generator for the purpose of allowing for the generator to operate on multiple fuels to supply electrical power. Therefore, it would have been obvious to one of ordinary skill in the art at the

time of the invention to modify Poehlman to incorporate the system to be used within a generator for the purpose of allowing the duel fuel system to supply power to a generator to provide electrical power.

Regarding claim 7, Poehlman disclose the fuel selector of claim 1 wherein the first fuel valve assembly (45) is attached to a liquefied petroleum gas (LPG) fuel source (natural gas, 27); and wherein the second fuel valve assembly (43) is attached to a gasoline source (21, column 3, lines 25-36).

Regarding claim 15, Poehlman discloses the claimed invention but is silent to disclose that the first and second fuel valves have handles. It would have been an obvious matter of design choice to provide the fuel valves with handles for operator actuation, since applicant has not disclosed that such handles for the fuel valves solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well if not better with energized actuation of the fuel valves instead of an operator turning the handles. Examiner notes that in claim 15, the "selector switch" is claimed broadly and it does not have any detailed limitations as claimed in claim 17. Furthermore, the selector switch (51) of Poehlman is capable of controlling actuation of the first and second fuel valves.

Regarding claim 16, Poehlman discloses the dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline. **Refer to claim 7 for further rejection details since the limitations are similar.**

Allowable Subject Matter

6. Claims 10-14 are allowed.

7. Claims 2-6, 8-9, and 17-21 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.

8. The following is a statement of reasons for the indication of allowable subject matter: With regards to claim 10, there is no prior art that teaches a method of controlling fuel flow in a dual fuel generator, the method comprising: 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; 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; and 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. Claims 11-14 depend on claim 10 and are therefore allowable.

With regards to claim 2, there is no prior art that teaches the fuel selector of claim 1 further comprising: first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively open and close the first fuel valve, respectively; and a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively open and close the second fuel valve, respectively; and a selector plate positioned adjacent the first and second valve handles; wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector switch between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time. Claims 3-6 and 8-9 depend on claim 2 and are therefore allowable.

With regards to claim 17, there is no prior art that teaches the dual fuel generator of claim 16 wherein the fuel selector further comprises a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; a selector plate, wherein the first fuel valve assembly and the second fuel valve assembly are coupled to a front side of the selector plate; and a selector switch

slideably coupled to the selector plate so as to be movable from a first position to a second position; and a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the LPG is being provided to the internal combustion engine; wherein 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 wherein 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. Claims 18-20 depend on claim 17 and are therefore allowable.

With regards to claim 21, there is no prior art that teaches A fuel selector for use with a dual fuel generator, the fuel selector comprising: a first fuel valve having open and closed positions to selectively control a first fuel flow to an engine of the dual fuel generator; a second fuel valve having open and closed positions to selectively control a second fuel flow to the engine of the dual fuel generator; a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow; a first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively open and close the first fuel valve, respectively; a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively open and close the second fuel valve, respectively; and a selector plate positioned adjacent the first and second valve handles; wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector

switch between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time.

Response to Arguments

9. Applicant's arguments filed 10/7/2015 have been fully considered but they are not persuasive. Applicant argues that Poehlman does not disclose a selector switch that is positioned adjacent to the first and second fuel valves to allow a user to manually select one of the first fuel flow and second fuel flow. Examiner notes that Poehlman shows in figure 1 just a schematic of the invention and the selector switch can still be considered as being "adjacent" to the first and second fuel valves. Furthermore, the word "adjacent" does not define how close the fuel valves must be to the selector switch and therefore a switch that is remotely close or in the vicinity can read on this claim. Lastly, Examiner notes that an operator can control selector switch (51) and that it directly affects the opening or closing of the fuel valves.

Applicant argues Poehlman does not teach manual selection one of the first and the second fuel flow. However, manual selection is clearly defined in column 4, lines 16-20. The control of the switch directly affects fuel flow. The claim does not state that the control system or fuel valves cannot be opened through electronic/semi-automated means.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mazuka et al. (U.S. Publication Number 2006/0169238) and Stolt

et al. (U.S. Publication Number 2004/0240141). These prior pieces of art teach a first and second fuel usage depends on the selection of a switch.

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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 on Monday to Friday, 9:00AM - 5:30 PM EST.

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 an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SYED O HASAN/
Examiner, Art Unit 3747
12/21/2015

/LINDSAY LOW/
Supervisory Patent Examiner, Art Unit 3747

Notice of References Cited	Application/Control No. 14/069,747	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-4,489,699 A	12-1984	Poehlman; Arthur G.	F02B69/04	123/525
*	B	US-2006/0169238 A1	08-2006	Mazuka; Naoto	F02B63/04	123/179.18
*	C	US-2004/0240141 A1	12-2004	Stolt, Peter E.	H01H47/18	361/160
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

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
	14069747	SARDER ET AL.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC- SEARCHED		
Symbol	Date	Examiner
F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22	6/26/2015	/S.O.H./

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
123	525, 2, 3	6/26/2015	/S.O.H./
290	1A	6/26/2015	/S.O.H./
137	383	6/26/2015	/S.O.H./
	Updated Search	12/21/2015	/S.O.H./

SEARCH NOTES		
Search Notes	Date	Examiner
Searched in subclasses 123/525, 2-3, 290/1A, 137/383 and F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22 with keywords such as generator, selector switch, groove, slot, etc.	6/26/2015	/S.O.H./
EAST search strategy attached. Invnetor name searches performed.	6/26/2015	/S.O.H./

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/SYED O HASAN/ Examiner.Art Unit 3747	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	((Mark) near2 (Sarder)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:16
S2	2	((Leigh) near2 (Jenison)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:17
S3	2	((Ian) near2 (Schmit)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:18
S4	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S5	3	123/525.ccls. and (dual near3 fuel near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S6	2	123/525.ccls. and (((multiple near3 fuel) or bi-fuel) near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:21
S7	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	2015/06/23 14:22
S8	236	(((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:22
S9	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	2015/06/23 14:23
S10	458	f02D19/0676.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:23
S11	17	F02D19/0676.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:24
S12	6	F02M21/0293.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 14:24

			EPO; JPO; DERWENT			
S13	14	F02M21/0236.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:25
S14	18	F02M21/0233.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:27
S15	21	F02M13/08.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:29
S16	0	(generator) and (dual near3 fuel) and (selectro near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S17	16	(generator) and (dual near3 fuel) and (selector near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S18	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	2015/06/23 14:33
S19	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	2015/06/23 14:39
S20	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	2015/06/23 14:40
S21	728	137/383.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S22	96	137/384.8.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S23	0	317/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:04
S24	133	273/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 15:04

			EPO; JPO; DERWENT			
S25	161	292/4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:06
S26	106	292/290.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:07
S27	578	49/503.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:15
S28	92	123/2-3.ccls. and (fuel near5 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:16
S29	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S30	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S31	19	(fuel near3 select$4 near3 switch) and (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:53
S32	321499	(select$4 near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S33	1395	(select$4 near3 switch) same (enclosure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S34	123	(switch) same (enclosure) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:56
S35	0	(switch) same (genset) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:58
S36	11	(genset) and ((switch) same (first near3 valve) same (second near3 valve))	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 15:58

			EPO; JPO; DERWENT			
S37	550	(slider near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:17
S38	28	(slider near3 switch).ti.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:19
S39	2	("7135651" | "7223931").PN. OR ("7772508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 16:20
S40	209	200/241.ccls.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S41	45	200/241.ccls. and (groove or slot)	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S42	151	290/1A.ccls. and (groove or slot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:24
S43	414	290/1A.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:25
S44	45	290/1A.ccls. and (select$4 near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:25
S45	16208	(select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S46	42	(fuel near3 select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S47	1	("2004/0240141").URPN.	USPAT	OR	OFF	2015/06/23 16:31
S48	436	261/16.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S49	18	261/16.ccls. and switch	USPAT	OR	OFF	2015/06/23 16:38
S50	0	48/180R.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S51	0	48/180C.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S52	0	48/180C.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S53	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/06/23 16:39

			EPO; JPO; DERWENT			
S54	215	123/525.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S55	76	123/525.ccls. and (switch) and (dual near3 fuel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S56	15	("20130122439" | "20130098349" | "20060169238" | "20040240141" | "4489699").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/29 14:24
S57	2	(dual near3 fuel near3 engine) same (fuel near3 handle)	US-PGPUB; USPAT; USOCR	OR	OFF	2015/12/17 18:15
S58	3	(dual near3 fuel near3 engine) same (fuel near3 handle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:16
S59	16	(dual near3 fuel near3 engine) same (fuel near3 lever)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:17
S60	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	2015/12/17 18:23
S61	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	2015/12/17 18:45
S62	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	2015/12/17 18:45
S63	4939	(gas near3 station).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:55
S64	39	(gas near3 station).ti. and lever	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:55
S65	292	(generator).ti. and ((dual or multiple) near3 (fuel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:56

S66	98	(generator).ti. and ((dual or multiple) near3 (fuel)) and (engine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/12/17 18:56
S67	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	2015/12/17 18:56

12/21/2015 4:34:49 PM
C:\Users\shasan2\Documents\EAST\Workspaces\Dual Fuel Selector Switch 14069747.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	SARDER ET AL.
	Examiner	Art Unit
	SYED O HASAN	3747

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

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

CLAIM		DATE								
Final	Original	06/29/2015								
	1	✓								
	2	O								
	3	O								
	4	O								
	5	O								
	6	O								
	7	✓								
	8	O								
	9	O								
	10	=								
	11	=								
	12	=								
	13	=								
	14	=								
	15	✓								
	16	✓								
	17	O								
	18	O								
	19	O								
	20	O								

Customer No. 26629
Confirmation No. 8101

Patent
Attorney Docket No. CET1090.002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	14/069,747
Filed	:	November 1, 2013
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:

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□ 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**

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□ transmitted by facsimile to Fax No.: 571-273-8300 addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

■ transmitted by EFS-WEB addressed to **Examiner Syed O. Hasan** at the Patent and Trademark Office.

Date: October 7, 2015 /Robyn L. Templin/
Signature

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

AMENDMENT/RESPONSE TO OFFICE ACTION
MAILED JULY 7, 2015

Dear Sir:

Responsive to the Office Action mailed July 7, 2015, please amend the Application as follows:

In the Claims

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

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

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

a selector switch positioned ~~to control actuation of~~adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

2. (Previously Presented) The fuel selector of claim 1 further comprising:

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

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

a selector plate positioned adjacent the first and second valve handles;

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

3. (Original) The fuel selector of claim 2 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. (Original) The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation

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when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. (Original) The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. (Previously Presented) The fuel selector of claim 2 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

7. (Original) The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. (Previously Presented) The fuel selector of claim 2 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. (Original) The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. (Original) A method of controlling fuel flow in a dual fuel generator, the method comprising:

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

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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;

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; and

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.

11. (Original) The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. (Original) The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

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13. (Original) The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

14. (Original) The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. (Currently Amended) A dual fuel generator comprising:

a first fuel source;

a second fuel source;

an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector comprises:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; and

a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

16. (Original) The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

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17. (Currently Amended) The dual fuel generator of claim 16 wherein the fuel selector further comprises:

~~a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve;~~

a selector plate~~, wherein~~ to which the first fuel valve assembly and the second fuel valve assembly are coupled to a front side thereof ~~the selector plate~~, wherein the selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

~~a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and~~

a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the ~~LPG~~ second fuel source is being provided to the internal combustion engine;

wherein 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

wherein 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.

18. (Previously Presented) The dual fuel generator of claim 17 wherein the selector switch comprises:

a front side and a back side; and

a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

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19. (Previously Presented) The dual fuel generator of claim 17 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. (Currently Amended) The dual fuel generator of claim 17 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically and the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

21. (New) A fuel selector for use with a dual fuel generator, the fuel selector comprising:

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

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

a selector switch positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow;

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

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

a selector plate positioned adjacent the first and second valve handles;

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

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REMARKS

Claims 1-20 are pending in the present application. In the Office Action mailed July 7, 2015, the Examiner rejected claims 1, 7, 15, and 16 under 35 U.S.C. §103 as being unpatentable over Poehlman (USP 4,489,699).

Claims 10-14 are allowed. Claims 2-6, 8, 9, and 17-20 were indicated as containing allowable subject matter. Such indication is appreciated.

Rejection under 35 U.S.C. §103 as being unpatentable over Poehlman

Claim 1

The Examiner rejected claim 1 under 35 U.S.C. §103 as being unpatentable over Poehlman. Without acquiescing to the rejection, Applicant has elected to amend claim 1 to further clarify the scope of the invention.

As amended, claim 1 calls for a fuel selector for use with a dual fuel generator and that includes a first fuel valve having open and closed positions to selectively control a first fuel flow to an engine of the dual fuel generator, a second fuel valve having open and closed positions to selectively control a second fuel flow to the engine of the dual fuel generator, and a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

Applicant believes that Poehlman fails to teach or suggest that which is called for in claim 1 at least for the reason that Poehlman does not disclose a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow.

Poehlman discloses a control apparatus 11 for selectively operating an internal combustion engine 13 on a first or gaseous fuel and on a second or liquid fuel. *Poehlman*, Col. 3, lns. 25-27. The engine includes a carburetor 15 which is connected through a supply line 19 with a source 21 of liquid fuel, such as, for instance, gasoline. *Poehlman*, Col. 3, lns. 27-31. The engine 13 also includes a gaseous fuel air mixer 23 which communicates with the carburetor 15, and which is connected through a supply line 25 with a source 27 of gaseous fuel, such as, for instance, natural gas. *Poehlman*, Col. 3, lns. 31-35. The engine 13 also includes control means 41 for selective change-over between use of liquid fuel and gaseous fuel. *Poehlman*, Col. 3, lns. 62-64. In this regard, the control means 41 includes a liquid fuel control valve 43 which is incorporated in the liquid fuel supply line 19 and is movable between open and closed positions,

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and includes a gaseous fuel control valve 45 which is incorporated in the gaseous fuel supply line 25 and is movable between open and closed positions. *Poehlman*, Col. 3, ln. 64 to Col. 4, ln. 6.

The control means 41 also includes a primary or fuel selector switch 51 which is operator-controlled and which is movable between a first or gaseous fuel position and a second or liquid fuel position. *Poehlman*, Col. 4, lns. 16-20. The control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the liquid fuel control valve 43, thereby opening the liquid fuel control valve 43. *Poehlman*, Col. 4, lns. 21-24. In addition, the control means 41 is operable, when the selector switch 51 is in the liquid fuel position, to energize the gaseous fuel control valve 45, and thereby open the gaseous fuel control valve 45. *Poehlman*, Col. 4, lns. 24-30. More particularly, the selector switch 51 comprises a gaseous fuel terminal 53, a liquid fuel terminal 55, and a primary switch member 57 connected to a source 59 of direct current and movable between a first position energizing the liquid fuel terminal 55 and a second position energizing the gaseous fuel terminal 53. *Poehlman*, Col. 5, lns. 1-6. In operation, when switching from liquid fuel to gaseous fuel, the operator moves the fuel selector switch 51 to the gaseous fuel position. *Poehlman*, Col. 6, lns. 21-23. As a result, the liquid fuel control valve 43 is consequently deenergized and turns off the liquid fuel supply to the carburetor 15. *Poehlman*, Col. 6, lns. 23-25. To change to liquid fuel from gaseous fuel, the operator moves the fuel selector switch 51 to the liquid fuel position. *Poehlman*, Col. 6, lns. 43-45. Such movement energizes the liquid fuel control valve 53 to the open position. *Poehlman*, Col. 6, lns. 45-46.

However, Poehlman does not teach or suggest that which is called for in claim 1 regarding a selector switch positioned adjacent the first and second fuel valves to allow a user to manually select one of the first fuel flow and the second fuel flow. With regard to the limitation in claim 1 of the selector switch being positioned adjacent the first and second fuel valves, there is no disclosure provided in Poehlman that fuel selector switch 51 is positioned adjacent liquid fuel control valve 43 and gaseous fuel control valve 45. In fact, the schematic view of the control apparatus 11 provided in FIG. 1 of Poehlman illustrates that the fuel selector switch 51 is positioned distally from the liquid fuel control valve 43 and gaseous fuel control valve 45 on the control apparatus 11. Additionally, with regard to the limitation in claim 1 of the selector switch allowing a user to manually select one of the first fuel flow and the second fuel flow, Poehlman does not employ a manual selection of one of the first fuel flow and the second fuel flow, but instead discloses that the liquid fuel control valve 43 and gaseous fuel control valve 45 are "energized" and "deenergized" to actuate the valves and provide for selective flows of the liquid

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and gaseous fluids. *Poehlman*, Col. 4, lns. 21-30. This electronic control of valves 43, 45 via selective connection of a source 59 of DC power thereto by way of a gaseous fuel terminal 53 and a liquid fuel terminal 55 to a primary switch member 57 of fuel selector switch 51 is not a "manual selection one of the first fuel flow and the second fuel flow" as called for in claim 1, but instead is an electronic/semi-automated selection of a first fuel flow and second fuel flow.

In light of at least the above, Applicant believes that claim 1 is patentably distinct from that which is disclosed in Poehlman. Applicant therefore respectfully requests withdrawal of the rejection of claim 1 under 35 U.S.C. §103 as being unpatentable over Poehlman, along with all claims depending therefrom.

Claim 15

The Examiner rejected claim 15 under 35 U.S.C. §103 as being unpatentable over Poehlman. Without acquiescing to the rejection, Applicant has elected to amend claim 15 to further clarify the scope of the invention.

As amended, claim 15 calls for a dual fuel generator including a first fuel source, a second fuel source, an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom and a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine, wherein the fuel selector further comprises a first fuel valve assembly including a first fuel valve and a first fuel valve handle 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 actuatable between an open position and a closed position to selectively open and close the second fuel valve, and a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

Applicant believes that Poehlman fails to teach or suggest that which is called for in claim 15 at least for the reason that Poehlman does not disclose a fuel selector that includes a first fuel valve assembly including a first fuel valve and a first fuel valve handle 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 actuatable between an open position and a closed position to selectively open and close the second fuel valve, and a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves.

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As set forth above, Poehlman discloses a control apparatus 11 for selectively operating an internal combustion engine 13 on a first or gaseous fuel and on a second or liquid fuel. *Poehlman*, Col. 3, lns. 25-27. The engine includes a carburetor 15 which is connected through a supply line 19 with a source 21 of liquid fuel, such as, for instance, gasoline. *Poehlman*, Col. 3, lns. 27-31. The engine 13 also includes a gaseous fuel air mixer 23 which communicates with the carburetor 15, and which is connected through a supply line 25 with a source 27 of gaseous fuel, such as, for instance, natural gas. *Poehlman*, Col. 3, lns. 31-35. The engine 13 also includes control means 41 for selective change-over between use of liquid fuel and gaseous fuel. *Poehlman*, Col. 3, lns. 62-64. In this regard, the control means 41 includes a liquid fuel control valve 43 which is incorporated in the liquid fuel supply line 19 and is movable between open and closed positions, and includes a gaseous fuel control valve 45 which is incorporated in the gaseous fuel supply line 25 and is movable between open and closed positions. *Poehlman*, Col. 3, ln. 64 to Col. 4, ln. 6. The control means 41 also includes a primary or fuel selector switch 51 which is operator-controlled and which is movable between a first or gaseous fuel position and a second or liquid fuel position. *Poehlman*, Col. 4, lns. 16-20. In operation, when switching from liquid fuel to gaseous fuel, the operator moves the fuel selector switch 51 to the gaseous fuel position. *Poehlman*, Col. 6, lns. 21-23. As a result, the liquid fuel control valve 43 is consequently deenergized and turns off the liquid fuel supply to the carburetor 15. *Poehlman*, Col. 6, lns. 23-25. To change to liquid fuel from gaseous fuel, the operator moves the fuel selector switch 51 to the liquid fuel position. *Poehlman*, Col. 6, lns. 43-45. Such movement energizes the liquid fuel control valve 53 to the open position. *Poehlman*, Col. 6, lns. 45-46.

However, Poehlman does not teach or suggest that which is called for in claim 15 regarding a fuel selector that includes a first fuel valve assembly including a first fuel valve and a first fuel valve handle 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 actuatable between an open position and a closed position to selectively open and close the second fuel valve, and a selector switch positioned to control actuation of the first and second fuel valve handles to selectively open and close the first and second fuel valves. That is, there is no teaching in Poehlman of first and second "fuel valve assemblies" that each include a fuel valve and a fuel valve handle that is actuatable to selectively open and close the fuel valve – as there is no disclosure at all of *valve handles* in Poehlman. Instead, Poehlman discloses that the liquid fuel control valve 43 and gaseous fuel control valve 45 are "energized" and "deenergized" to actuate the valves and provide for selective flows of the

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liquid and gaseous fluids. *Poehlman*, Col. 4, lns. 21-30. This electronic control/actuation of valves 43, 45 is performed via selective connection of a source 59 of DC power thereto by way of a gaseous fuel terminal 53 and a liquid fuel terminal 55 connectable to a primary switch member 57 of fuel selector switch 51. The energizing and deenergizing of liquid fuel control valve 43 and gaseous fuel control valve 45 via providing of DC power thereto to actuate the valves does not teach or suggest actuation of the valves via an associated valve handle.

Additionally, as Poehlman fails to disclose fuel valve handles for actuating associated fuel valves, there necessarily also cannot be a selector switch positioned to control actuation of the first and second fuel valve handles. Instead, as indicated previously, the fuel selector switch 51 is movable only to selectively energize and deenergize the liquid fuel control valve 43 and gaseous fuel control valve 45.

In light of at least the above, Applicant believes that claim 15 is patentably distinct from that which is disclosed in Poehlman. Applicant therefore respectfully requests withdrawal of the rejection of claim 15 under 35 U.S.C. §103 as being unpatentable over Poehlman, along with all claims depending therefrom.

Newly Presented Claim

In addition to the above amendments and remarks, Applicant has newly added claim 21 in the present response. New claim 21 combines the subject matter of original claim 1 and the allowable subject matter of claim 2. Accordingly, claim 21 is believed to be in condition for allowance.

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.

A fee in the amount of $250.00 is concurrently being paid via EFS-Web for fees associated with entering the claims newly presented herein. Applicant hereby authorizes charging of Deposit Account No. 50-2623 for any additional fees associated with entering the aforementioned claims.

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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,

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

Dated: October 7, 2015
Attorney Docket No.: CET1090.002

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

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Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
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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.

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

Dated: October 7, 2015
Attorney Docket No.: CET1090.002

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

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IPR2025-01438

Electronic Patent Application Fee Transmittal

Application Number:	14069747
Filing Date:	01-Nov-2013
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Filer:	Kevin Roger Rosin./Robyn Templin
Attorney Docket Number:	CET1090.002

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Claims in excess of 20	2202	1	40	40
Independent Claims in Excess of 3	2201	1	210	210
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**250**

Electronic Acknowledgement Receipt

EFS ID:	23717535
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Kevin Roger Rosin./Robyn Templin
Filer Authorized By:	Kevin Roger Rosin.
Attorney Docket Number:	CET1090.002
Receipt Date:	07-OCT-2015
Filing Date:	01-NOV-2013
Time Stamp:	14:25:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$250
RAM confirmation Number	720
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Response.pdf	167636 b7dac4398e6a568b59b080739ccc6ef27bfc56ab	yes	14

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	7
Applicant Arguments/Remarks Made in an Amendment	8	14

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	31893 ab8d20224b929ece5f034f0d93d94c92a245ba5f	no	2

Warnings:

Information:

Total Files Size (in bytes):	199529

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 a 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
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
14/069,747	11/01/2013	

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 $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ 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

AMENDMENT **10/07/2015**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 21	Minus	** 20	= 1	X $40 =	40
Independent (37 CFR 1.16(h))	* 4	Minus	***3	= 1	X $210 =	210
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	250

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ 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.

** 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 number found in the appropriate box in column 1.

LIE
/NICOLE NICHOLSON/

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.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002	8101

26629 7590 07/07/2015

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
07/07/2015	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
sml@zpspatents.com

Office Action Summary	Application No. 14/069,747	Applicant(s) SARDER ET AL.	
	Examiner SYED O. HASAN	Art Unit 3747	AIA (First Inventor to File) 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 *5/18/2015*.

☐ 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) *10-14* is/are allowed.

7)☒ Claim(s) *1,7,15 and 16* is/are rejected.

8)☒ Claim(s) *2-6,8,9 and 17-20* 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 *5/18/2015* 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 *11/1/2013*.

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

4) ☐ Other: _____.

DETAILED ACTION

1. 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 § 103

2. 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.

3. 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 of this title, 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.

4. Claims 1, 7, and 15-16 are rejected under 35 U.S.C. 103 as being unpatentable over Poehlman (U.S. Patent Number 4,489,699), hereinafter “Poehlman”.

Regarding claim 1, Poehlman discloses the same invention substantially as claimed such as a fuel selector (51) in which fuel selector comprising: a first fuel valve (45) having open and closed positions to selectively control a first fuel flow (flow associated with line 25) to an engine (13) of the dual fuel system (column 5, lines 22-35); a second fuel (21) having open and closed positions to selectively control a second fuel flow (flow associated with 19) to the engine (13) of the dual fuel system (column 4,

lines 31-40); and a selector switch (57) positioned to control actuation of the first and second fuel valves (45 and 43) to select one of the first fuel flow and the second fuel flow (column 4, lines 31-40), but is silent to disclose that the system is in particular for a generator. However, the examiner takes Official Notice that it is well known in the art that duel fuel systems are used in a generator for the purpose of allowing for the generator to operate on multiple fuels to supply electrical power. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Poehlman to incorporate the system to be used within a generator for the purpose of allowing the duel fuel system to supply power to a generator to provide electrical power.

Regarding claim 7, Poehlman disclose the fuel selector of claim 1 wherein the first fuel valve assembly (45) is attached to a liquefied petroleum gas (LPG) fuel source (natural gas, 27); and wherein the second fuel valve assembly (43) is attached to a gasoline source (21, column 3, lines 25-36).

Regarding claim 15, Poehlman discloses a dual fuel generator comprising: a first fuel source; a second fuel source; an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine. **Refer to claim 1 for further rejection details since the limitations are similar**. Examiner notes that Poehlman's control system (41) is capable of operating in such an orientation presented by claim 15.

Regarding claim 16, Poehlman discloses the dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and

the second fuel source is the other of LPG and gasoline. **Refer to claim 7 for further rejection details since the limitations are similar.**

Allowable Subject Matter

5. Claims 10-14 are allowed.

6. Claims 2-6, 8-9, and 17-20 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.

7. The following is a statement of reasons for the indication of allowable subject matter: With regards to claim 10, there is no prior art that teaches a method of controlling fuel flow in a dual fuel generator, the method comprising: 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; 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; and 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. Claims 11-14 depend on claim 10 and are therefore allowable.

With regards to claim 2, there is no prior art that teaches the fuel selector of claim 1 further comprising: first valve handle coupled to the first fuel valve and actuatable between an ON position and an OFF position to selectively open and close the first fuel valve, respectively; and a second valve handle coupled to the second fuel valve and actuatable between an ON position and an OFF position to selectively open and close the second fuel valve, respectively; and a selector plate positioned adjacent the first and second valve handles; wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector switch between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time. Claims 3-6 and 8-9 depend on claim 2 and are therefore allowable.

With regards to claim 17, there is no prior art that teaches the dual fuel generator of claim 16 wherein the fuel selector further comprises a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve; a selector plate, wherein the first fuel valve assembly and the second fuel valve

assembly are coupled to a front side of the selector plate; and a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and a carburetor fuel shutoff solenoid that is activated when the selector switch is moved to the second position, when the LPG is being provided to the internal combustion engine; wherein 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 wherein 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. Claims 18-20 depend on claim 17 and are therefore allowable.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mazuka et al. (U.S. Publication Number 2006/0169238) and Stolt et al. (U.S. Publication Number 2004/0240141). These prior pieces of art teach a first and second fuel usage depends on the selection of a switch.

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 on Monday to Friday, 9:00AM - 5:30 PM EST.

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.

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/SYED O HASAN/
Examiner, Art Unit 3747
6/26/2015

/LINDSAY LOW/
Supervisory Patent Examiner, Art Unit 3747

Notice of References Cited	Application/Control No. 14/069,747	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	Classification
*	A	US-2004/0240141	12-2004	Stolt et al.	361/160
*	B	US-2006/0169238	08-2006	Mazuka et al.	123/179.18
*	C	US-4,489,699	12-1984	Poehlman, Arthur G.	123/525
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*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
	14069747	SARDER ET AL.
	Examiner	Art Unit
	SYED O HASAN	3747

CPC- SEARCHED		
Symbol	Date	Examiner
F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22	6/26/2015	/S.O.H./

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
123	525, 2, 3	6/26/2015	/S.O.H./
290	1A	6/26/2015	/S.O.H./
137	383	6/26/2015	/S.O.H./

SEARCH NOTES		
Search Notes	Date	Examiner
Searched in subclasses 123/525, 2-3, 290/1A, 137/383 and F02D19/0676, F02M21/0293, 21/0236, 21/0233, 13/08, F02B53/00, 63/00, H02K1/22 with keywords such as generator, selector switch, groove, slot, etc.	6/26/2015	/S.O.H./
EAST search strategy attached. Invnetor name searches performed.	6/26/2015	/S.O.H./

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/SYED O HASAN/ Examiner.Art Unit 3747	

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Mark J. Sarder et al.
Art Unit	
Examiner Name	
Attorney Docket Number	CET1090.002

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20130098349	A1	2013-04-25	Deng	
	2	20130122439	A1	2013-05-16	Deng	

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	First Named Inventor	Mark J. Sarder et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	CET1090.002

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Examiner Signature	/Syed Hasan/	Date Considered	06/29/2015

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[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

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	First Named Inventor	Mark J. Sarder et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	CET1090.002

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Kevin R. Rosin/	Date (YYYY-MM-DD)	2013-11-01
Name/Print	Kevin R. Rosin	Registration Number	55584

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IPR2025-01438

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	15	("20130122439" | "20130098349" | "20060169238" | "20040240141" | "4489699").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/29 14:24
S1	11	((Mark) near2 (Sarder)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:16
S2	2	((Leigh) near2 (Jenison)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:17
S3	2	((Ian) near2 (Schmit)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 14:18
S4	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S5	3	123/525.ccls. and (dual near3 fuel near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:20
S6	2	123/525.ccls. and (((multiple near3 fuel) or bi-fuel) near3 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:21
S7	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	2015/06/23 14:22
S8	236	(((multiple near3 fuel) or bi-fuel or (LPG near5 gasoline)) near10 generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:22
S9	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	2015/06/23 14:23
S10	458	f02D19/0676.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:23
S11	17	F02D19/0676.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:24
S12	6	F02M21/0293.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:24
S13	14	F02M21/0236.cpc. and (generator)	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/06/23 14:25

			FPRS; EPO; JPO; DERWENT			
S14	18	F02M21/0233.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:27
S15	21	F02M13/08.cpc. and (generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:29
S16	0	(generator) and (dual near3 fuel) and (selectro near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S17	16	(generator) and (dual near3 fuel) and (selector near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:32
S18	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	2015/06/23 14:33
S19	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	2015/06/23 14:39
S20	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	2015/06/23 14:40
S21	728	137/383.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S22	96	137/384.8.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 14:58
S23	0	317/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:04
S24	133	273/317.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:04
S25	161	292/4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:06
S26	106	292/290.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:07
S27	578	49/503.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:15

S28	92	123/2-3.ccls. and (fuel near5 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:16
S29	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S30	163	(generator) same (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:35
S31	19	(fuel near3 select$4 near3 switch) and (LPG near20 gasoline)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:53
S32	321499	(select$4 near3 switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S33	1395	(select$4 near3 switch) same (enclosure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:55
S34	123	(switch) same (enclosure) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:56
S35	0	(switch) same (genset) same (first near3 valve) same (second near3 valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:58
S36	11	(genset) and ((switch) same (first near3 valve) same (second near3 valve))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 15:58
S37	550	(slider near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:17
S38	28	(slider near3 switch).ti.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:19
S39	2	("7135651" | "7223931").PN. OR ("7772508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2015/06/23 16:20
S40	209	200/241.ccls.	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S41	45	200/241.ccls. and (groove or slot)	US-PGPUB; USPAT	OR	OFF	2015/06/23 16:23
S42	151	290/1A.ccls. and (groove or slot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:24
S43	414	290/1A.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:25
S44	45	290/1A.ccls. and (select$4 near3 switch)	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/06/23 16:25

			FPRS; EPO; JPO; DERWENT			
S45	16208	(select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S46	42	(fuel near3 select$4 near3 switch).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:30
S47	1	("2004/0240141").URPN.	USPAT	OR	OFF	2015/06/23 16:31
S48	436	261/16.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S49	18	261/16.ccls. and switch	USPAT	OR	OFF	2015/06/23 16:38
S50	0	48/180R.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S51	0	48/180C.ccls.	USPAT	OR	OFF	2015/06/23 16:38
S52	0	48/180C.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S53	834	123/525.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S54	215	123/525.ccls. and (switch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39
S55	76	123/525.ccls. and (switch) and (dual near3 fuel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2015/06/23 16:39

6/29/2015 2:25:23 PM
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CONFIRMATION NO. 8101

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/069,747	11/01/2013	123	3747	CET1090.002

APPLICANTS
Champion Engine Technology, LLC, Sussex, WI;

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

** **CONTINUING DATA** **********

** **FOREIGN APPLICATIONS** **********

** **IF REQUIRED, FOREIGN FILING LICENSE GRANTED** ** SMALL ENTITY **
11/15/2013

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /SYED O HASAN/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		WI	6	20	3

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

TITLE
DUAL FUEL SELECTOR SWITCH

FILING FEE RECEIVED		
730	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14069747	SARDER ET AL.
	Examiner	Art Unit
	SYED O HASAN	3747

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

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

CLAIM		DATE								
Final	Original	06/29/2015								
	1	✓								
	2	O								
	3	O								
	4	O								
	5	O								
	6	O								
	7	✓								
	8	O								
	9	O								
	10	=								
	11	=								
	12	=								
	13	=								
	14	=								
	15	✓								
	16	✓								
	17	O								
	18	O								
	19	O								
	20	O								

Customer No. 26629 Patent
Confirmation No. 8101 Attorney Docket No. CET1090.002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Sarder et al.
Serial No.	:	14/069,747
Filed	:	November 1, 2013
For	:	DUAL FUEL SELECTOR SWITCH
Group Art No.	:	NOT YET ASSIGNED
Examiner	:	NOT YET ASSIGNED

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.

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■ transmitted by EFS-WEB addressed to **Office of Initial Patent Examination** at the Patent and Trademark Office.

Date: May 18, 2015 /Robyn L. Templin/
Signature

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

PRELIMINARY AMENDMENT

Dear Examiner:

Prior to examination on the merits, please amend the application as follows:

In the Claims

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

~~a selector plate;~~

a first fuel valve ~~assembly positioned adjacent the selector plate and actuatable between~~ having open ~~an ON position~~ and ~~an OFF~~ closed positions to selectively control a first fuel flow to an engine of the dual fuel generator;

a second fuel valve ~~assembly positioned adjacent the selector plate and actuatable between~~ having open ~~an ON position~~ and ~~an OFF~~ closed positions to selectively control a second fuel flow to the engine of the dual fuel generator; and

a selector switch ~~coupled to~~ positioned to control actuation of the first and second fuel valves to select one of the first fuel flow and the second fuel flow.

~~the selector plate so as to be linearly translatablefrom 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.~~

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

~~wherein the first fuel valve assembly comprises a first fuel valve and~~ a first valve handle coupled to the first fuel valve and actuatable between ~~the~~ an ON position and ~~the~~ an OFF position to selectively open and close the first fuel valve, respectively; ~~and~~

~~wherein the second fuel valve assembly comprises a second fuel valve and~~ a second valve handle coupled to the second fuel valve and actuatable between ~~the~~ an ON position and ~~the~~ an OFF position to selectively open and close the second fuel valve, respectively; and

a selector plate positioned adjacent the first and second valve handles;

wherein the selector switch is coupled to the selector plate so as to be movable from a first position to a second position, with movement of the selector switch

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between the first and second positions enabling positioning of only one of the first valve handle and the second valve handle in the ON position at a given time.

3. (Original) The fuel selector of claim 2 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. (Original) The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. (Original) The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. (Currently Amended) The fuel selector of claim ~~1~~ 2 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

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7. (Original) The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. (Currently Amended) The fuel selector of claim ~~7~~ 2 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. (Original) The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. (Original) A method of controlling fuel flow in a dual fuel generator, the method comprising:

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;

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; and

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;

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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.

11. (Original) The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. (Original) The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

13. (Original) The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

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14. (Original) The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. (Currently Amended) A dual fuel generator comprising:

a first fuel source;

a second fuel source;

an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from one of the first and second fuel sources to the internal combustion engine. ~~, the fuel selector comprising:~~

~~a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve;~~

~~a selector plate, wherein the first fuel valve assembly and the second fuel valve assembly are coupled to a front side of the selector plate; and~~

~~a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and~~

~~wherein 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~~

~~wherein 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.~~

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16. (Original) The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

17. (Currently Amended) The dual fuel generator of claim 16 wherein the fuel selector further comprises:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve;

a selector plate, wherein the first fuel valve assembly and the second fuel valve assembly are coupled to a front side of the selector plate; and

a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

a carburetor fuel shutoff solenoid~~, and wherein the selector switch is configured to cause the carburetor fuel shutoff solenoid to be~~ that is activated when the selector switch is moved to the second position, when the LPG is being provided to the internal combustion engine;

wherein 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

wherein 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.

18. (Currently Amended) The dual fuel generator of claim ~~15~~ 17 wherein the selector switch comprises:

a front side and a back side; and

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a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

19. (Currently Amended) The dual fuel generator of claim ~~15~~ 17 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. (Currently Amended) The dual fuel generator of claim ~~15~~ 17 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

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REMARKS

In this Preliminary Amendment, claims 1, 2, 6, 8, 15 and 17-20 have been amended. No new matter has been added by way of the amendments.

Should the Examiner have any questions regarding this Amendment, he or she is cordially invited to contact the undersigned.

Respectfully submitted,

/Kevin R. Rosin/

Kevin R. Rosin
Registration No. 55,584
Phone 262-268-8100 ext. 16
krr@zpspatents.com

Dated: May 18, 2015
Attorney Docket No.: CET1090.002

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

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Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

Electronic Acknowledgement Receipt

EFS ID:	22368346
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Kevin Roger Rosin./Robyn Templin
Filer Authorized By:	Kevin Roger Rosin.
Attorney Docket Number:	CET1090.002
Receipt Date:	18-MAY-2015
Filing Date:	01-NOV-2013
Time Stamp:	09:51:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Response.pdf	116793 08a621c15b39733d839f9222ad573c7eb1bc85d3	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Preliminary Amendment	1	1
	Claims	2	8
	Applicant Arguments/Remarks Made in an Amendment	9	9
Warnings:			
Information:			
	Total Files Size (in bytes):	116793	

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National Stage of an International Application under 35 U.S.C. 371
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New International Application Filed with the USPTO as a Receiving Office
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PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
14/069,747	11/01/2013	

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 $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ 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

AMENDMENT **05/18/2015**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $210 =	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

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ 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.

** 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 number found in the appropriate box in column 1.

LDRC
/ADRIANE WINSTON/

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.**

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/069,747	11/01/2013	Mark J. Sarder	CET1090.002

CONFIRMATION NO. 8101

PUBLICATION NOTICE

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

OC000000075040587

Title:DUAL FUEL SELECTOR SWITCH

Publication No.US-2015-0122230-A1
Publication Date:05/07/2015

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 Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, 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 http://pair.uspto.gov/. 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

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IPR2025-01438

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/069,747

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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 210 =	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	730		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.

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14/069,747	11/01/2013	Mark J. Sarder	CET1090.002

CONFIRMATION NO. 8101

POA ACCEPTANCE LETTER

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

OC000000065022199

Date Mailed: 11/20/2013

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/01/2013.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/dpham/

Office of Data Management, 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
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/069,747	11/01/2013	3747	730	CET1090.002	20	3

CONFIRMATION NO. 8101

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

FILING RECEIPT

OC000000065022169

Date Mailed: 11/20/2013

Receipt is acknowledged of this non-provisional 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 APPLICANT, 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 Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections 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**

Inventor(s)

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

Applicant(s)

Champion Engine Technology, LLC, Sussex, WI

Assignment For Published Patent Application

Champion Engine Technology, LLC, Sussex, WI

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

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

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 - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 11/15/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/069,747**

Champion - EX2123, Page 153 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

Projected Publication Date: 05/07/2015

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).

Champion - EX2123, Page 154 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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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.

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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).

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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 or equivalent) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	11/1/2013
First Named Inventor	Mark J. Sarder
Title	DUAL FUEL SELECTOR SWITCH
Art Unit	
Examiner Name	
Attorney Docket Number	CET1090.002

SIGNATURE of Applicant or Patent Practitioner

Signature	/Kevin R. Rosin/	Date	11/1/2013
Name	Kevin R. Rosin	Telephone	262-268-8100
Registration Number	55584		

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

☑ *Total of ___1___ forms are submitted.

PTO/AIA/82B(07-12)
Approved for use through 11/30/2014. OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

☒ I hereby appoint 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 equivalent):

OR

26629

☐ I hereby appoint Practitioner(s) named below 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 equivalent):

Name	Registration Number	Name	Registration Number

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

☐ Inventor or Joint Inventor

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor

☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign

☐ 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)

SIGNATURE of Applicant for Patent

Signature		Date	Oct 16, 2013
Name	Dorrance J. Noonan	Telephone	262 246 0701 Ext 101
Title and Company	CEO, Champion Engine Technology, LLC		

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. Submit multiple forms for more than one signature, see below *.

☒ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 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.**

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PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Mark J. Sarder et al.
Art Unit	
Examiner Name	
Attorney Docket Number	CET1090.002

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20130098349	A1	2013-04-25	Deng	
	2	20130122439	A1	2013-05-16	Deng	

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FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1							☐

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NON-PATENT LITERATURE DOCUMENTS Remove

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Mark J. Sarder et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	CET1090.002

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		☐

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Mark J. Sarder et al.
	Art Unit	
	Examiner Name	
	Attorney Docket Number	CET1090.002

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Kevin R. Rosin/	Date (YYYY-MM-DD)	2013-11-01
Name/Print	Kevin R. Rosin	Registration Number	55584

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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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 record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Filer:	Kevin Roger Rosin./Robyn Templin
Attorney Docket Number:	CET1090.002

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**730**

Electronic Acknowledgement Receipt

EFS ID:	17291087
Application Number:	14069747
International Application Number:	
Confirmation Number:	8101
Title of Invention:	DUAL FUEL SELECTOR SWITCH
First Named Inventor/Applicant Name:	Mark J. Sarder
Customer Number:	26629
Filer:	Kevin Roger Rosin./Robyn Templin
Filer Authorized By:	Kevin Roger Rosin.
Attorney Docket Number:	CET1090.002
Receipt Date:	01-NOV-2013
Filing Date:	
Time Stamp:	14:30:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$730
RAM confirmation Number	938
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /zip	Pages (if appl.)

1	Application Data Sheet	App-ADS.pdf	1503199 f02206cb4f31bd5ccb0f0eb3023c5c9db5e62cf5	no	7
Warnings:					
Information:					
2		App-Body.pdf	116779 323f9da53d644d296d4be1c20a4d7759161c7a95	yes	20
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Specification		1	13	
	Claims		14	19	
	Abstract		20	20	
Warnings:					
Information:					
3	Oath or Declaration filed	App-Dec.pdf	931296 9ffe4d49325af401840bb44c77ddd7ffd48fd7ef	no	3
Warnings:					
Information:					
4	Drawings-only black and white line drawings	App-Drawings.pdf	1461278 2ddba118d26bd6856df36b6f7e7a68aac44f8c7e	no	6
Warnings:					
Information:					
5	Power of Attorney	POATransmittal.pdf	71054 ea1fe83e81bde257df1a48766d24e54f0c7be01f	no	1
Warnings:					
Information:					
6	Power of Attorney	GeneralPOA.pdf	271043 a646463384ddf2619fe056d4dbe2f1051519209d	no	1
Warnings:					
Information:					
7	Information Disclosure Statement (IDS) Form (SB08)	IDS.pdf	612093 2a37b12bdaa4a3dab8f7b3951b39cfdcf1379433	no	4
Warnings:					
Information:					

8	Fee Worksheet (SB06)	fee-info.pdf	32906 fb40102431b5fb9abbaa6364d8b3020a7965346e	no	2

Warnings:	
Information:	
Total Files Size (in bytes):	4999648

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 a 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 (03-13)
Approved for use through 01/31/2014. 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 contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	CET1090.002
	Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH	

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

Secrecy Order 37 CFR 5.2

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Mark	J.	Sarder	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Waukesha	State/Province	WI	Country of Residence i	US

Mailing Address of Inventor:

Address 1	W245 N5551 Corporate Circle		
Address 2			
City	Sussex	State/Province	WI
Postal Code	53089	Country i	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Leigh		Jenison	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Hartland	State/Province	WI	Country of Residence i	US

Mailing Address of Inventor:

Address 1	W245 N5551 Corporate Circle		
Address 2			
City	Sussex	State/Province	WI
Postal Code	53089	Country i	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

Champion - EX2123, Page 167 of 202
Generac Power Systems, Inc. et al v. Champion Power Equip., Inc.
IPR2025-01438

PTO/AIA/14 (03-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	CET1090.002
	Application Number	
Title of Invention	DUAL FUEL SELECTOR SWITCH	

City	Cedarburg	State/Province	WI	Country of Residence i	US

Mailing Address of Inventor:

Address 1	W245 N5551 Corporate Circle		
Address 2			
City	Sussex	State/Province	WI
Postal Code	53089	Country i	US

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Application Information:

Title of the Invention	DUAL FUEL SELECTOR SWITCH		
Attorney Docket Number	CET1090.002	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

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Customer Number	26629	

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☐ 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.

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Organization Name	Champion Engine Technology, LLC

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Mailing Address Information:			
Address 1	W245 N5551 Corporate Circle		
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First Name	Kevin R.	Last Name	Rosin	Registration Number	55584

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DUAL FUEL SELECTOR SWITCH

BACKGROUND OF THE INVENTION

[0001] 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.

[0002] 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.

[0003] 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.

[0004] 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.

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BRIEF DESCRIPTION OF THE INVENTION

[0005] 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.

[0006] 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.

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[0007] 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.

[0008] 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.

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BRIEF DESCRIPTION OF THE DRAWINGS

[0009] The drawings illustrate embodiments presently contemplated for carrying out the invention.

[0010] In the drawings:

[0011] FIG. 1 is a perspective view of a dual fuel generator, according to an embodiment of the invention.

[0012] FIG. 2 is a partial view of the dual fuel generator of FIG. 1, according to an embodiment of the invention

[0013] 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.

[0014] 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.

[0015] 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.

[0016] 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.

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DETAILED DESCRIPTION

[0017] 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.

[0018] 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.

[0019] 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.

[0020] 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.

[0021] 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.

[0022] 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.

[0023] 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.

[0024] 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.

[0025] 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).

[0026] 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.

[0027] 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.

[0028] 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.

[0029] 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

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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.

[0030] 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.

[0031] 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.

[0032] 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.

[0033] 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.

[0034] 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.

[0035] 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.

[0036] 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 for use with a dual fuel generator, the fuel selector comprising:

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;

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; and

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.

2. The fuel selector of claim 1 wherein the first fuel valve assembly comprises a first fuel valve and a first valve handle actuatable between the ON position and the OFF position to selectively open and close the first valve, respectively; and

wherein the second fuel valve assembly comprises a second fuel valve and a second valve handle actuatable between the ON position and the OFF position to selectively open and close the second valve, respectively.

3. The fuel selector of claim 2 wherein the selector switch comprises:

a front surface and a back surface;

a groove located in the back surface; and

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wherein the groove engages the first valve handle to lock it in an OFF position when the selector switch is in the second position; and

wherein the groove engages the second valve handle to lock it in an OFF position when the selector switch is in the first position.

4. The fuel selector of claim 3 wherein the first and second valve handles have a vertical orientation when in the ON position and have a horizontal orientation when in the OFF position, with the groove being able to engage the first and second valve handles when in their horizontal orientation.

5. The fuel selector of claim 4 wherein an interaction between the groove and the first and second valve handles prevents translation of the selector switch unless both of the first and second valve handles are oriented horizontally in the OFF position.

6. The fuel selector of claim 1 wherein, when the selector switch is in the first position, the first fuel valve assembly is actuatable between the ON position and the OFF position and the second fuel valve assembly is prohibited from being in the ON position; and

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

7. The fuel selector of claim 1 wherein the first fuel valve assembly is attached to a liquefied petroleum gas (LPG) fuel source; and

wherein the second fuel valve assembly is attached to a gasoline source.

8. The fuel selector of claim 7 further comprising a carburetor solenoid switch coupled to the selector plate adjacent and extending out of a front surface thereof, the carburetor solenoid switch comprising a depressible switch configured to activate an associated solenoid when depressed.

9. The fuel selector of claim 8 wherein when the selector switch is in the first position so as to prohibit the second fuel valve assembly from being in the ON position, the selector switch depresses the carburetor solenoid switch, so as to activate the carburetor solenoid and stop the flow of the gasoline fuel source.

10. A method of controlling fuel flow in a dual fuel generator, the method comprising:

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;

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; and

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.

11. The method of claim 10 wherein providing the fuel selector switch further comprises:

positioning a selector plate adjacent the first fuel valve assembly and the second fuel valve assembly; and

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coupling the fuel selector switch to the selector plate such that the fuel selector switch is slidingly engaged to the selector plate to enable translation thereof to the first position and the section position;

wherein translation of the fuel selector switch to the first position allows for positioning of the first fuel valve handle in its ON position and OFF position and prevents positioning of the second fuel valve handle in its ON position; and

wherein translation of the fuel selector switch to the second position allows for positioning of the second fuel valve handle in its ON position and OFF position and prevents positioning of the first fuel valve handle in its ON position.

12. The method of claim 11 wherein translation of the fuel selector switch to the first position positions the fuel selector switch over the second fuel valve handle so as to prevent actuation thereof and translation of the fuel selector switch to the second position positions the fuel selector switch over the first fuel valve handle so as to prevent actuation thereof.

13. The method of claim 10 wherein the fuel provided by the first fuel source comprises liquefied petroleum gas (LPG) and the fuel provided by the second fuel source comprises gasoline, such that the first fuel valve assembly controls the flow of LPG to the internal combustion engine and the second fuel valve assembly controls the flow of gasoline to the internal combustion engine.

14. The method of claim 12 further comprising providing a carburetor solenoid shutoff switch to disable a flow of gasoline from the second fuel source to the internal combustion engine, wherein positioning of the fuel selector switch in the first position activates the carburetor solenoid shutoff switch.

15. A dual fuel generator comprising:

a first fuel source;

a second fuel source;

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an internal combustion engine coupled to the first fuel source and the second fuel source to selectively receive fuel therefrom; and

a fuel selector configured to control a flow of fuel from the first and second fuel sources to the internal combustion engine, the fuel selector comprising:

a first fuel valve assembly including a first fuel valve and a first fuel valve handle, the first fuel valve handle being 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, the second fuel valve handle being actuatable between an open position and a closed position to selectively open and close the second fuel valve;

a selector plate, wherein the first fuel valve assembly and the second fuel valve assembly are coupled to a front side of the selector plate; and

a selector switch slideably coupled to the selector plate so as to be movable from a first position to a second position; and

wherein 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

wherein 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.

16. The dual fuel generator of claim 15 wherein the first fuel source is one of liquefied petroleum gas (LPG) and gasoline and the second fuel source is the other of LPG and gasoline.

17. The dual fuel generator of claim 16 wherein the fuel selector further comprises a carburetor fuel shutoff solenoid, and wherein the selector switch is configured to cause the carburetor fuel shutoff solenoid to be activated when moved to the second position, when the LPG is being provided to the internal combustion engine.

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18. The dual fuel generator of claim 15 wherein the selector switch comprises:

a front side and a back side; and

a groove located on the back side and configured to selectively engage the first fuel valve handle and the second fuel valve handle;

wherein movement of the first fuel valve handle and the second fuel valve handle to the open position is prohibited when engaged by the groove.

19. The dual fuel generator of claim 15 wherein an interaction between the groove and the first and second fuel valve handles prevents translation of the selector switch unless both of the first and second valve handles are in the closed position.

20. The dual fuel generator of claim 15 wherein the first and second valve assemblies are in the open position when their respective valve handles are positioned vertically the first and second valve assemblies are in the closed position when their respective valve handles are positioned horizontally.

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ABSTRACT

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

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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)

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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)

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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.

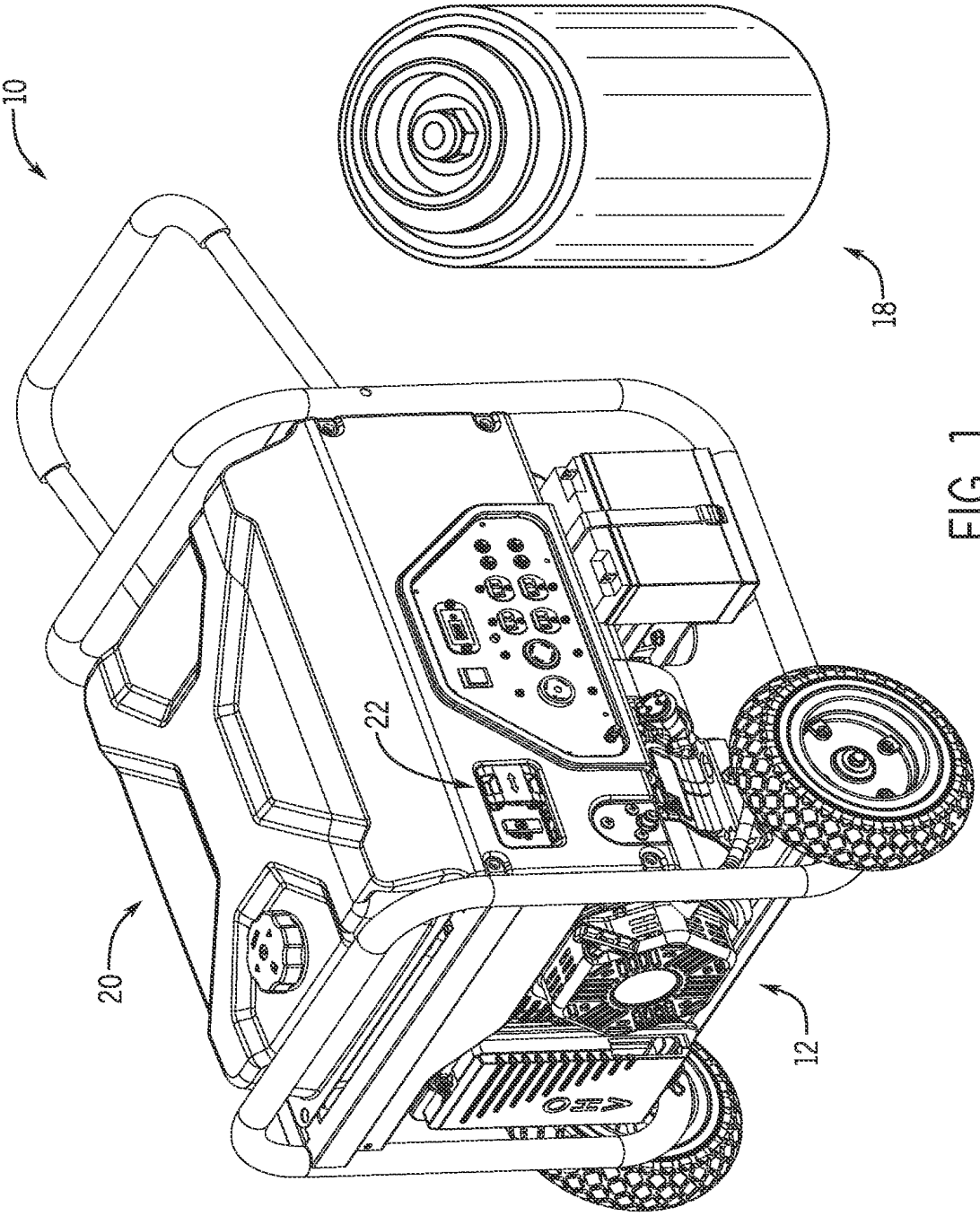


FIG. 1

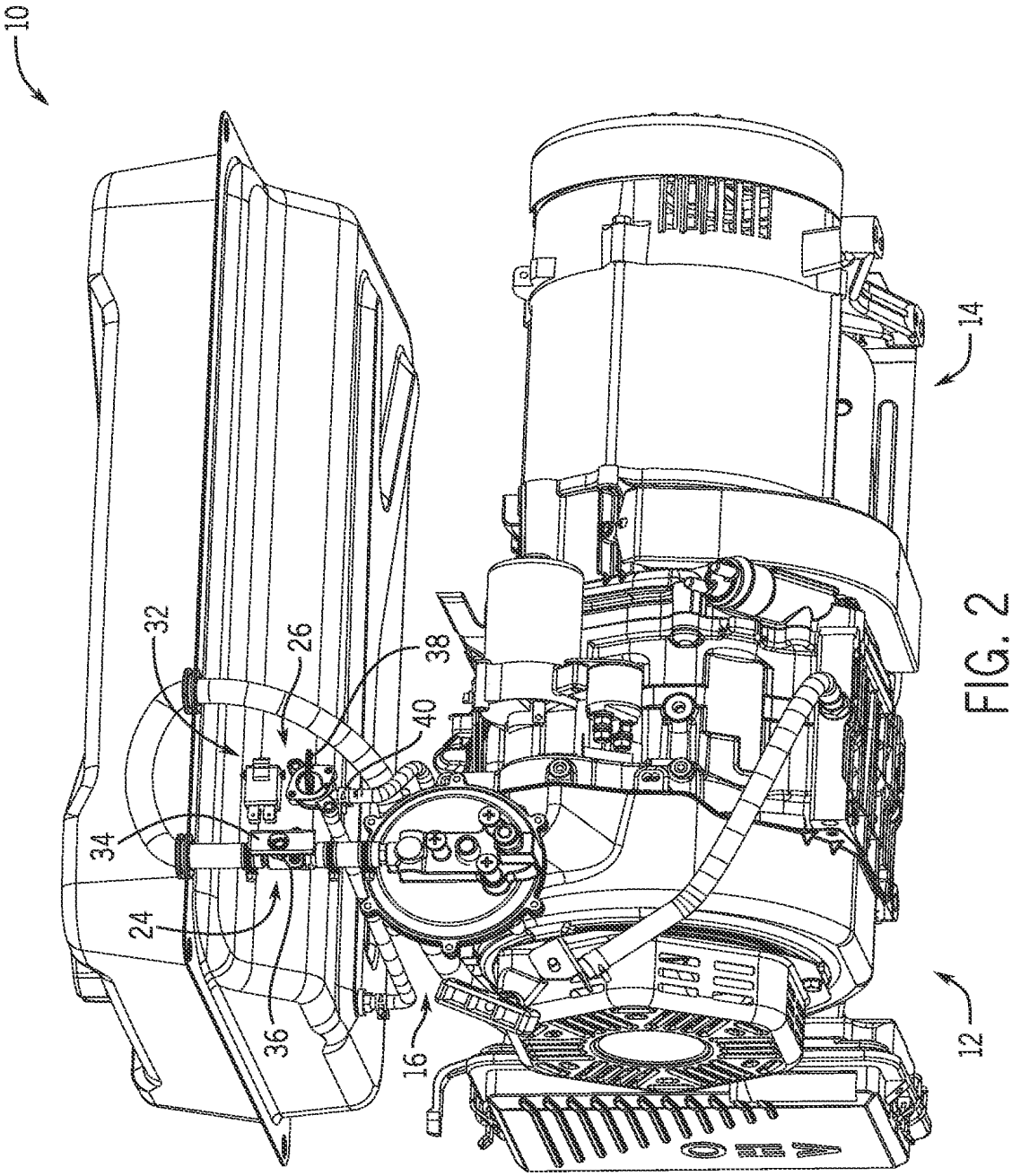


FIG. 2

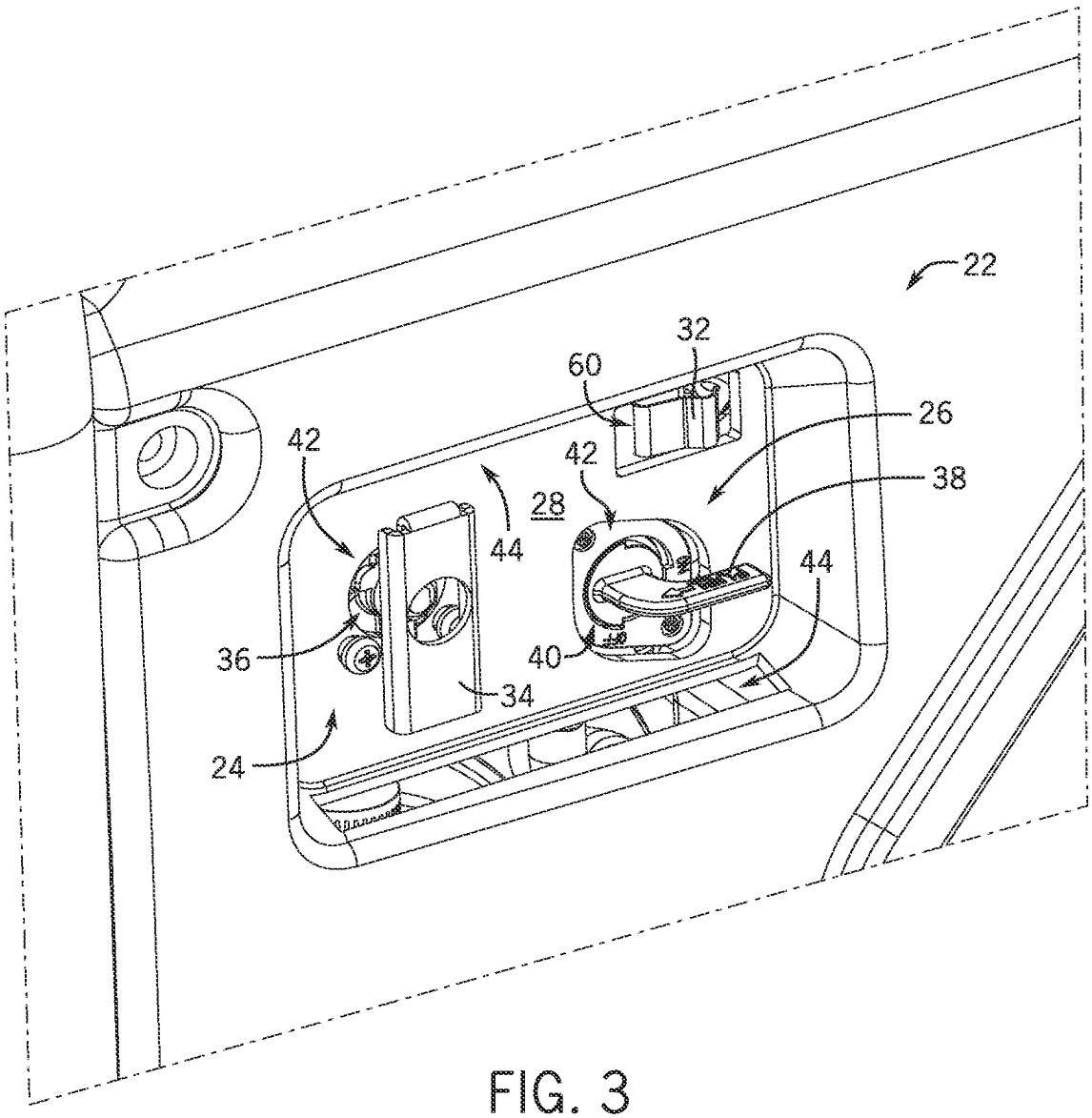


FIG. 3

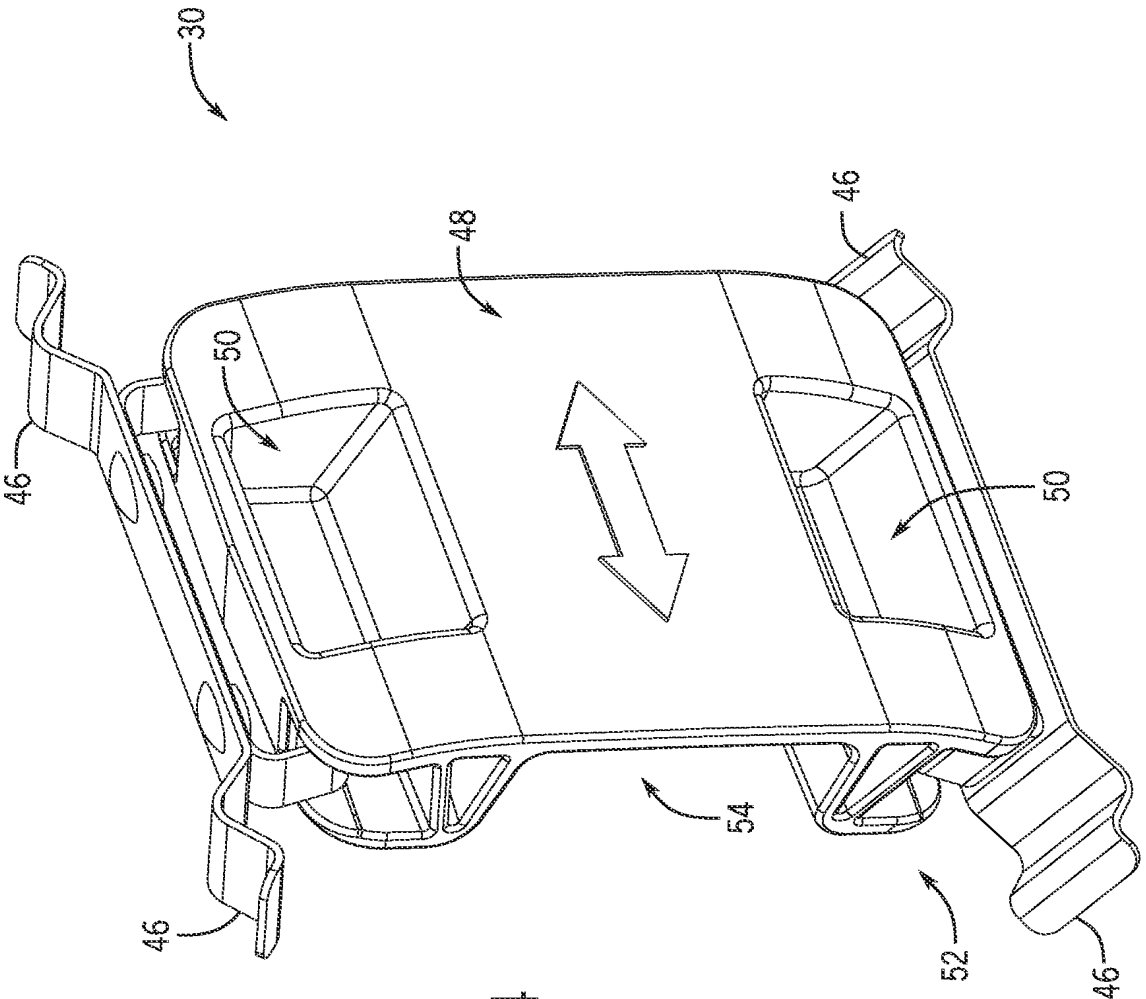


FIG. 4

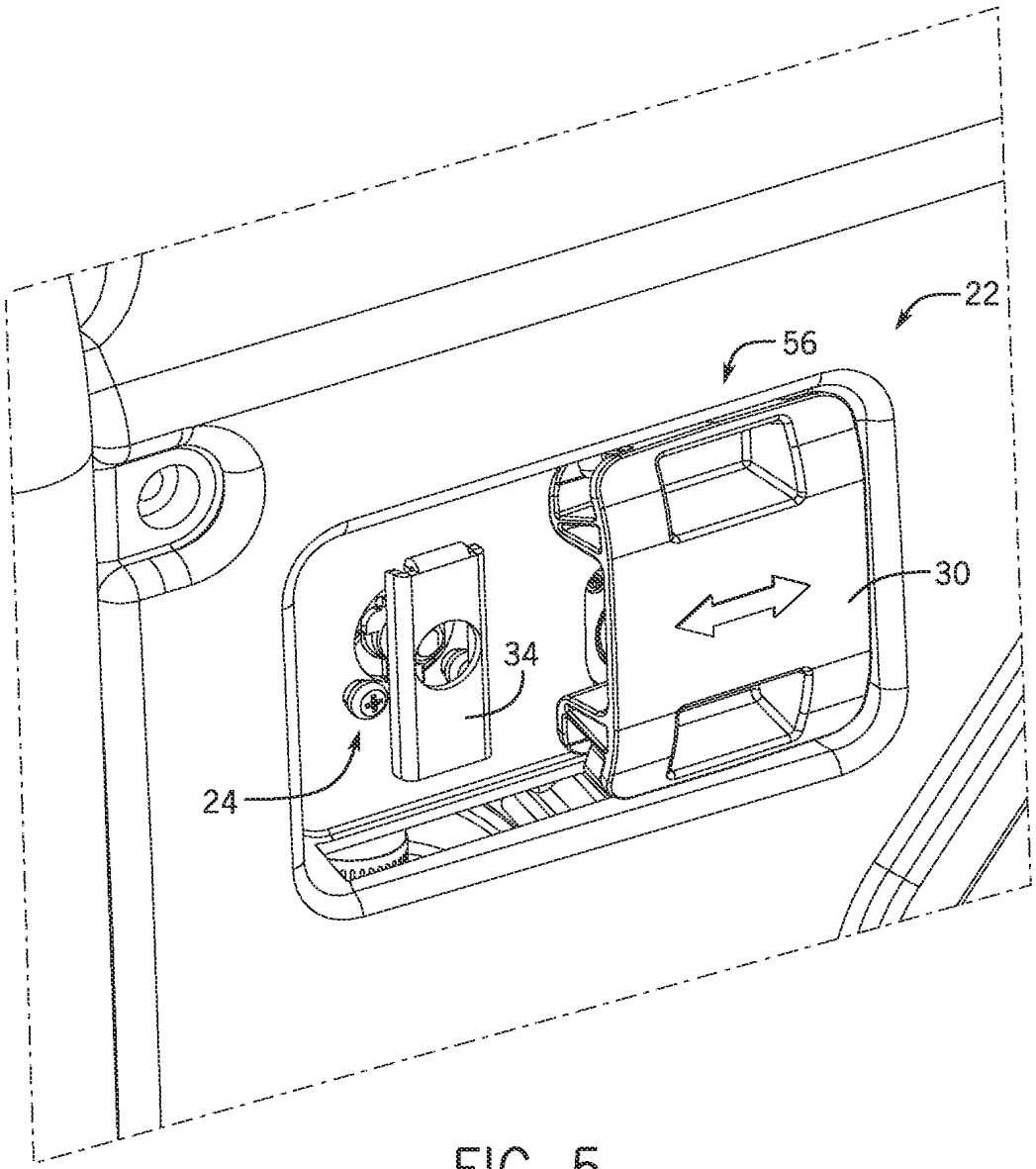


FIG. 5

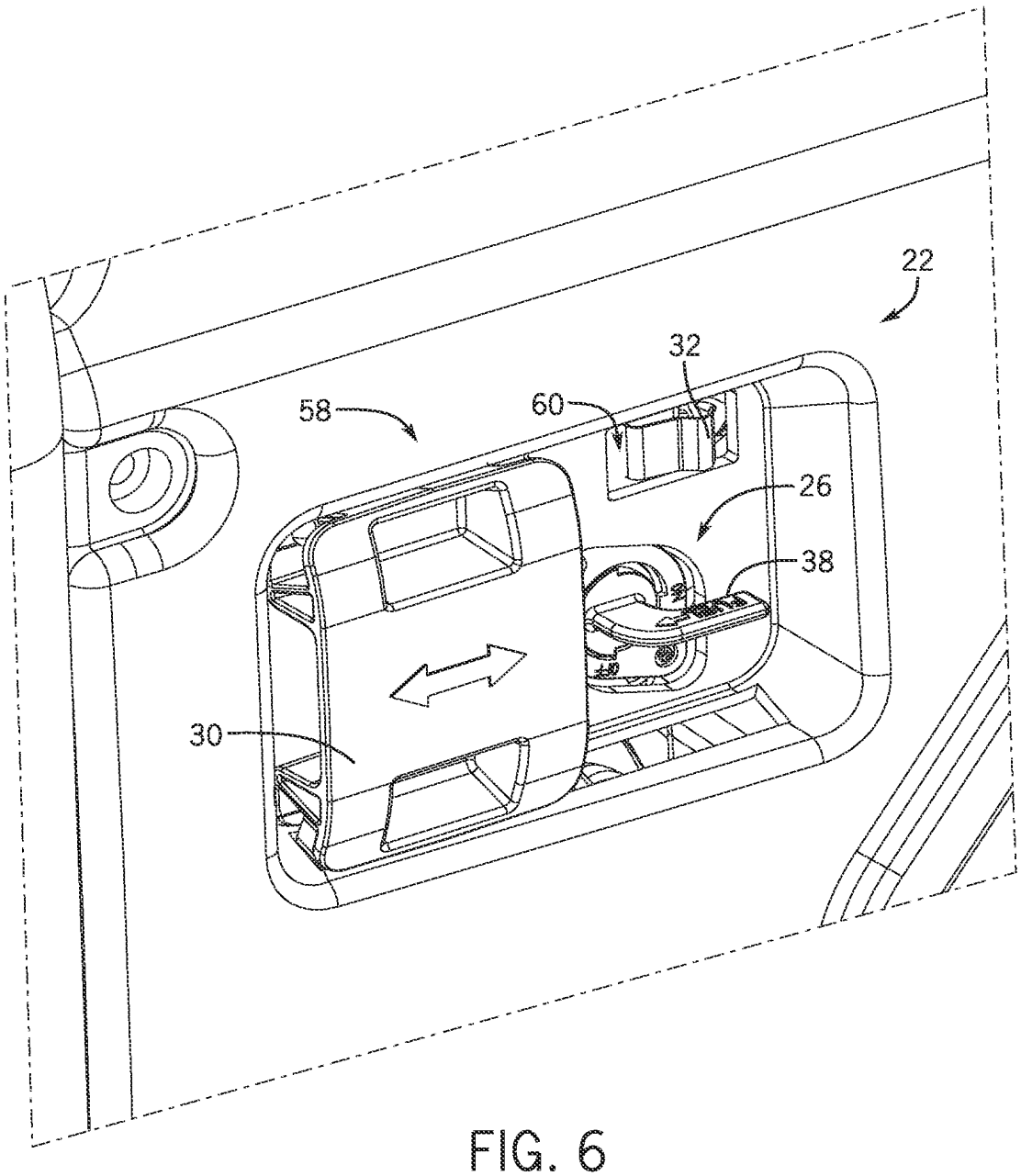


FIG. 6