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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1

CONFIRMATION NO. 4482

146169
Dinsmore & Shohl LLP (Holley)
255 E 5th St #1900
Cincinnati, OH 45202

POWER OF ATTORNEY NOTICE



OC000000106950902

Date Mailed: 06/04/2026

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/28/2026.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71.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.

/wrhopkins/



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1

CONFIRMATION NO. 4482

POA ACCEPTANCE LETTER



OC000000106951276

22045
Brooks Kushman P.C.
150 W 2nd St. Suite 400N
Royal Oak, MI 48067

Date Mailed: 06/04/2026

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/28/2026.

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.

/wrhopkins/

**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 Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number	17/882,762		
Filing Date	08/08/2022		
First Named Inventor	Doug Flynn		
Title	Fuel Injection Throttle Body		
Art Unit	3752		
Examiner Name	CHEE-CHONG LEE		
Attorney Docket Number	HPBPDT0104PUSP3		
SIGNATURE of Applicant or Patent Practitioner			
Signature	/James A. Bertino/	Date	2026-04-28
Name	James A. Bertino	Telephone	248-358-4400
Registration Number	72,354		
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d)			
* Total of <u>1</u> Power of Attorney forms are attached			

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
17/882,762	08/08/2022

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

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

22045

OR

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

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

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

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

Holley Performance Products, Inc.

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature

Jason Burnette (Aug 18, 2025 15:55:27 CDT)

Date (Optional)

08/18/2025

Name

Jason Burnette

Title

Head of Intellectual Property

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

☒ Total of 1 forms are submitted.

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

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

EX: 1002-1-4

Privacy Act Statement

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

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

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



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
04/28/2026 04:16:26 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	12203434
CONFIRMATION #	4482	FILED BY	Julie Oumedian
PATENT CENTER #	75626144	FILING DATE	08/08/2022
CUSTOMER #	146169	FIRST NAMED INVENTOR	Doug Flynn
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	James Bertino

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
HPBPDT0104PUSP3_POA.pdf	3	Power of Attorney	733 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
HPBPDT0104PUSP3_POA.pdf	F7A93DDF66668EA5925F786818C3CAF8CCC2CF10EBEABAA 4E89104FA6FD941F6EA08813D49CDEC4F3E1E4A07FDA9775 56B56BC8DFB46541159DE3732CD1AF186

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.

EX. 1002 - 6

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	01/21/2025	EXAMINER	
Dinsmore & Shohl LLP (Holley)			LEE, CHEE-CHONG	
255 E 5th St #1900				
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			01/21/2025	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):

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
17/882,762	21-Jan-2025	12203434

Dinsmore & Shohl LLP (Holley)
255 E 5th St #1900
Cincinnati, OH 45202

EGRANT NOTIFICATION

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

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



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	01/21/2025	12203434	HYP0050NA1	4482

146169 7590 01/01/2025
Dinsmore & Shohl LLP (Holley)
255 E 5th St #1900
Cincinnati, OH 45202

ISSUE NOTIFICATION

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

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

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

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

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

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

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

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

Doug Flynn, Bowling Green, KY;
James Dralle, Bowling Green, KY;
Amy Gieske, Loogootee, IN;
Charles Jenckes, Harrisburg, NC;
Corey Spainhoward, Bowling Green, KY;

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

Holley Performance Products, Inc., Bowling Green, KY;

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.

I THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.: HYP0050NA1
	)	
Inventor: Doug FLYNN, <i>et al.</i>	)	Examiner: Chee-Chong LEE
	)	
Application No.: 17/882,762	)	Group Art Unit: 3752
	)	
Filed: August 8, 2022	)	Confirmation No.: 4482
	)	
For: Fuel Injection Throttle Body	)	Date Submitted: December 13, 2024

Mail Stop ISSUE FEE
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Applicant gratefully acknowledges the allowance of claims 1-6 and 8-13 in the Notice of Allowance dated September 16, 2024 for the present application. The Notice of Allowance indicates that claims 1-6 and 8-13 have been allowed for the reasons set forth in the Notice of Allowance mailed on the above date. In response to the reasons set forth in the Notice of Allowance, Applicant does not acquiesce that patentability resides solely in any features or combination of features identified in the Notice of Allowance, that these features or combination of features are required for patentability, or that equivalents of any of these features are outside the scope of the claims of this application. In addition, to the extent that the Notice of Allowance does not separately address the subject matter or features of each of the claims in the application, Applicant does not acquiesce to any inference that any one claim or feature does not present patentable subject matter independent of any other claim or feature. Further, Applicant does not acquiesce to any interpretation or construction of any of the claim terms in the Notice of Allowance. Finally,

Applicant does not acquiesce to any characterizations of the prior art in the Notice of Allowance. Applicant reserves the right to address any of the foregoing in further prosecution of this or a related patent application.

Date: XX, 2024

Respectfully submitted,

DINSMORE & SHOHL LLP

/ James E. Cole /

James E. Cole

Reg. 50,530

101 S. 5th St., Suite 2500

Louisville, KY 40202

(502) 581-8057 direct phone

(502) 585-2207 fax

james.cole@dinsmore.com



UNITED STATES
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Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
12/13/2024 12:04:39 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 68357062

FILING DATE 08/08/2022

CUSTOMER # 146169

FIRST NAMED
INVENTOR Doug Flynn

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Cole

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2024-12-13 Comments HYP0050NA1 140461- 223.pdf	2	Post Allowance Communication - Incoming	39 KB
2024-12-13 Issue Fee Transmittal HYP0050NA1 140461-223.pdf	1	Issue Fee Payment (PTO-85B)	178 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2024-12-13 Comments HYP0050NA1 140461-223.pdf	661D1FA6D3E0C931DDDB6B8D7BFE6BB8227C0C1C6AA5D65 1BD8E2FFBE24EC95D18B4F5900F08C25846153DABAE4906D 2CE472412BD34F3D803CC7514D14A9A55

EX. 1002 - 14

2024-12-13 Issue Fee
Transmittal HYP0050NA1
140461-223.pdf

8E679311A7DB6F4A47EAC879D13B71495734D6251304C1D1B
B97DA409852D89B04C439A6ABA71B439AD68E9E247ABD8E6
7955F858034BA97C4BB4A671DFA586E

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

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

146169 7590 09/16/2024
Dinsmore & Shohl LLP (Holley)
255 E 5th St #1900
Cincinnati, OH 45202

Certificate of Mailing or Transmission

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

Tammy J. Swarens	(Typed or printed name)
/Tammy J. Swarens/	(Signature)
December 13, 2024	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482

TITLE OF INVENTION: Fuel Injection Throttle Body

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/16/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEE, CHEE-CHONG	3752	239-005000

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/ALA/122 or PTO/SB/122) attached.

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

2. For printing on the patent front page, list

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

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

1 Dinsmore & Shohl LLP
2
3

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

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

(A) NAME OF ASSIGNEE

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

Holley Performance Products, Inc.

Bowling Green, KY

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

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

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

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

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 041133

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 /James E. Cole/

Date December 13, 2024

Typed or printed name James E. Cole

Registration No. 50530

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/882,762RECEIPT DATE / TIME
12/13/2024 12:04:39 PM Z ETATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 68357062

AUTHORIZED BY James Cole

CUSTOMER # 146169

FILING DATE 08/08/2022

CORRESPONDENCE
ADDRESS -FIRST NAMED
INVENTOR Doug Flynn

Payment Information

PAYMENT METHOD
CARD / 7913PAYMENT TRANSACTION ID
E2024BCC05026610PAYMENT AUTHORIZED BY
Tammy SwarensPRE-AUTHORIZED ACCOUNT
041133PRE-AUTHORIZED CATEGORY
37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
TOTAL AMOUNT:				\$1,200.00

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

New Applications Under 35 U.S.C. 111

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

National Stage of an International Application under 35 U.S.C. 371
EX. 1002 - 17

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

146169 7590 09/16/2024
Dinsmore & Shohl LLP (Holley)
255 E 5th St #1900
Cincinnati, OH 45202

EXAMINER

LEE, CHEE-CHONG

ART UNIT

PAPER NUMBER

3752

DATE MAILED: 09/16/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482

TITLE OF INVENTION: Fuel Injection Throttle Body

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/16/2024

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482

TITLE OF INVENTION: Fuel Injection Throttle Body

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/16/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
LEE, CHEE-CHONG	3752	239-005000

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

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

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

2. For printing on the patent front page, list

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

1 _____

(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.

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	09/16/2024	EXAMINER	
Dinsmore & Shohl LLP (Holley)			LEE, CHEE-CHONG	
255 E 5th St #1900				
Cincinnati, OH 45202			ART UNIT	PAPER NUMBER
			3752	
DATE MAILED: 09/16/2024				

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

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

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

Notice of Allowability	Application No. 17/882,762	Applicant(s) Flynn et al.	
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (FITF) Status Yes

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

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

1. ☒ This communication is responsive to July 8, 2024.
☐ 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 1-6 and 8-13. 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)	5. ☒ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>9/11/2024</u> .	

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on July 8, 2024 has been entered.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. James E. Cole on September 11, 2024. The Applicant agrees to amend claims 1 and 8 as shown below:

Claim 1. (Line 1) “A fuel injection throttle body for [[an]] a non-carbureted internal combustion engine...”

Claim 8. (Line 1) “A fuel injection throttle body for [[an]] a non-carbureted internal combustion engine...”

Allowable Subject Matter

Claims 1-6 and 8-13 are allowable.

The following is an examiner’s statement of reasons for allowance: The prior art of record references fail to teach, disclose, or suggest, either alone or in combination: A fuel injection throttle body for a non-carbureted internal combustion engine comprising: an air intake extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port in said fuel injection throttle body and capable of receiving fuel from an electronic fuel injector; a fuel channel in fluid communication with said fuel port to receive said fuel; a plurality of orifices disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake and a throttle plate and the rest of the claim limitations as a whole.

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 CHEE-CHONG LEE whose telephone number is (571)270-1916. The examiner can normally be reached on Monday-Friday 8am -5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur O. Hall can be reached on (571)270-1814. 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.

/CHEE-CHONG LEE/
Primary Examiner, Art Unit 3752
September 11, 2024

<i>Examiner-Initiated Interview Summary</i>	Application No. 17/882,762	Applicant(s) Flynn et al.		
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHEE-CHONG LEE	Primary Examiner	Telephonic
James E. Cole	Attorney of Record	

Date of Interview: 11 September 2024

Issues Discussed:

35 U.S.C. 103

The Applicant agrees to amend claims 1 and 8 as shown in the attached Allowability Notice.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Issue Classification 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

CPC						
Symbol					Type	Version
F02M	/	61	/	1826	F	2013-01-01
F02M	/	61	/	184	I	2013-01-01
F02M	/	69	/	043	I	2013-01-01
F02M	/	35	/	10216	I	2013-01-01
F02D	/	9	/	1035	I	2013-01-01
G06F	/	16	/	2282	I	2019-01-01
B05B	/	1	/	14	I	2013-01-01
F02M	/	35	/	1216	I	2013-01-01
G06F	/	21	/	6218	I	2013-01-01
G06F	/	21	/	6227	I	2013-01-01
F02M	/	7	/	06	I	2013-01-01
F02D	/	9	/	109	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

Use images from artifact folder? ☒ Yes ☐ No			
NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	12	
/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	11 September 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	9

Issue Classification 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

INTERNATIONAL CLASSIFICATION			
CLAIMED			
B05B	/	1	/ 14
	/		/

NON-CLAIMED			
	/		/

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
239	5

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

Use images from artifact folder? ☒ Yes ☐ No			
NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	12	
/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	11 September 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	9

Issue Classification 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

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

CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	9	10												
2	2	10	11												
3	3	11	12												
4	4	12	13												
5	5		14												
6	6														
	7														
7	8														
8	9														

Use images from artifact folder? ☒ Yes ☐ No	
NONE	Total Claims Allowed: 12
(Assistant Examiner) _____ (Date) 11 September 2024	O.G. Print Claim(s) 1 O.G. Print Figure 9
/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752 (Primary Examiner) _____ (Date)	

<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

CPC - Searched*		
Symbol	Date	Examiner
B05B1/14	05/05/2023	C.L.
F02M61/18,7/06,35/10216,61/1826,35/1216	05/05/2023	C.L.
F02D9/109	05/05/2023	C.L.
Updated search.	09/12/2023	C.L.
Updated search.	01/06/2024	C.L.
Updated search.	09/11/2024	C.L.

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
239	5	05/05/2023	C.L.
	Updated search.	09/12/2023	C.L.
	Updated search.	01/06/2024	C.L.
	Updated search.	09/11/2024	C.L.

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

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

Search Notes		
Search Notes	Date	Examiner
Conducted inventor name search in EAST and PALM.	05/05/2023	C.L.
Conducted a search in the EAST database. See attached search history.	05/05/2023	C.L.
continued search from application no. 14156813, 15986571 and 16778762	05/05/2023	C.L.
Conducted a search in the PE2E search database. See attached search history.	09/12/2023	C.L.
Conducted a search in the PE2E search database. See attached search history.	01/06/2024	C.L.
Conducted a search in the PE2E search database. See attached search history.	09/11/2024	C.L.
See attached interference search.	09/11/2024	C.L.

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
B05B	1/14	09/11/2024	C.L.
F02M	F02M61/18,7/06,35/10216,61/1826,35/1216	09/11/2024	C.L.
F02D	9/109	09/11/2024	C.L.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L3867	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3868	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3869	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3870	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3871	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3872	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3873	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3874	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3875	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3876	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3877	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3878	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3879	510	F02M7/06.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:10 PM
L3880	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3881	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3882	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3883	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		\$.DID. OR US-4572129-\$.DID. OR US-20110120413-\$.DID. OR US-4588132-\$.DID. OR US-20150108256-\$.DID. OR US-4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L3884	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3885	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3886	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3887	20	("3564580" "3664648"	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L3888	22	"4292945").PN. OR ("4406266").URPN. ("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	USOCR) (US-PGPUB; USPAT; USOCR)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L3889	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3890	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L3891	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L3892	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L3893	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3894	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3895	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3896	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3897	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3898	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3899	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3900	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3901	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L3902	510	F02M7/06.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3903	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3904	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3905	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3906	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3907	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3908	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3909	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3910	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3911	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3912	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3913	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3914	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L3915	1051	L45 and L48	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3916	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3917	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L3918	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3919	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3920	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3921	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3922	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3923	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3924	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3925	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3926	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3927	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3928	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L3929	884338	annular near7 ring	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3930	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3931	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3932	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3933	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3934	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3935	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3936	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3937	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3938	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3939	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3940	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3941	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L3942	513	L74 and L75	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3943	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3944	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3945	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3946	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3947	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3948	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3949	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3950	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3951	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3952	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3953	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3954	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L3955	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3956	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3957	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3958	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3959	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3960	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3961	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3962	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3963	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3964	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3965	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3966	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3967	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3968	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L3969	46	"4343148"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L3970	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3971	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3972	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3973	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3974	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3975	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3976	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3977	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3978	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3979	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3980	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3981	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L3982	7	JENCKES-CHARLES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3983	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3984	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3985	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3986	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3987	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3988	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3989	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3990	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3991	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3992	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3993	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3994	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L3995	7259	F02M61/18.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3996	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3997	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3998	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L3999	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4000	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4001	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4002	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4003	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4004	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4005	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		4357283-\$ US-					
		4434762-\$ US-					
		4434763-\$ US-					
		4465640-\$ US-					
		4539960-\$ US-					
		4556032-\$ US-					
		4558673-\$ US-					
		4681178-\$ US-					
		4736969-\$ US-					
		4798190-\$ US-					
		4798329-\$ US-					
		4802902-\$ US-					
		4817996-\$ US-					
		4826411-\$ US-					
		4827888-\$ US-					
		4929260-\$ US-					
		4949983-\$ US-					
		5009390-\$ US-					
		5012780-\$ US-					
		5113831-\$ US-					
		5148863-\$ US-					
		5186033-\$ US-					
		5208540-\$ US-					
		5211205-\$ US-					
		5235948-\$ US-					
		5261382-\$ US-					
		5325915-\$ US-					
		5460247-\$ US-					
		5527149-\$ US-					
		5551404-\$ US-					
		5807512-\$ US-					
		5809972-\$ US-					
		5863470-\$ US-					
		5875872-\$ US-					
		5890476-\$ US-					
		5908090-\$ US-					
		5959263-\$ US-					
		6120007-\$ US-					
		6125467-\$ US-					
		6165775-\$ US-					
		6196364-\$ US-					
		6205395-\$ US-					
		6272428-\$ US-					
		6339743-\$ US-					
		6378512-\$ US-					
		6481698-\$ US-					
		6482698-\$ US-					
		6520488-\$ US-					
		6535811-\$ US-					
		6837228-\$ US-					
		7255331-\$ US-					
		7343896-\$ US-					
		7591245-\$ US-					
		7634983-\$ US-					
		D447147-\$ US-					
		D508496-\$ US-					
		D578550-\$ US-					
		D648746-\$ US-					

L4006	5	D659714-\$.DID. ("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4007	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4008	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4009	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4010	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4011	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4012	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4013	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4014	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4015	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4016	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4017	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4018	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4019	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4020	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4021	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4022	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4023	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4024	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4025	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4026	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4027	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4028	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4029	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4030	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4031	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4032	39	GIESKE-AMY.in.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4033	7	JENCKES-CHARLES.in.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4034	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4035	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4036	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4037	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4038	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4039	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4040	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4041	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4042	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4043	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4044	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L4045	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM

L4046	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L4047	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4048	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4049	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4050	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4051	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4052	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4053	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4054	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4055	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4056	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4057	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4058	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4059	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2024/09/11 02:10 PM

L4060	7211	fuel and carburetor and orifice	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4061	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4062	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4063	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4064	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4065	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4066	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4067	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4068	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4069	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4070	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4071	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4072	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2024/09/11 02:10 PM

L4073	1603	(239/562).CCLS.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4074	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4075	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4076	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4077	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4078	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4079	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4080	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4081	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4082	6	((("20100199574") or ("5,862,632")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4083	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4084	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		\$ or US-4528967-\$ or US-4292945-\$ or US-4637366-\$ or US-4434765-\$ or US-4406266-\$ or US-4524743-\$ or US-7438050-\$ or US-4395989-\$ or US-4509483-\$ or US-3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L4085	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4086	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4087	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4088	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4089	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4090	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4091	10	SPAINHOWARD-COREY.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4092	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4093	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4094	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4095	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4096	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4097	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4098	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4099	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4100	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4101	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4102	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4103	9	("1949904" "20080217878" "4349039" "4877348"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4104	0	"5351762" "5669558" "6776363").PN. OR ("9522408").URPN. ("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4105	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4106	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4107	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4108	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4109	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4110	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4111	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4112	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4113	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4114	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4115	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4116	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4117	4941	F02M35/10216.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4118	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4119	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4120	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L4121	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4122	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4123	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4124	20	("3564580" "3664648" "4292945").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4125	22	("4406266").URPN. ("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4126	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4127	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4128	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4129	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4130	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4131	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4132	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4133	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4134	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4135	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4136	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4137	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4138	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4139	510	F02M7/06.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4140	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4141	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4142	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4143	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4144	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4145	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4146	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4147	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4148	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4149	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4150	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4151	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4152	1051	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4153	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4154	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4155	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4156	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4157	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4158	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4159	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4160	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4161	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4162	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4163	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4164	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4165	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4166	884338	annular near7 ring	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4167	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4168	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4169	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4170	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4171	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4172	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4173	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4174	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4175	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4176	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4177	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4178	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4179	513	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4180	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4181	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4182	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4183	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4184	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4185	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4186	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4187	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4188	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4189	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4190	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4191	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4192	562	L87 and L88	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4193	134824	throttle and intake and valve	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L4194	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4195	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4196	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4197	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4198	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4199	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4200	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4201	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4202	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4203	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4204	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4205	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4206	46	"4343148"	JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4207	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4208	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4209	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4210	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4211	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4212	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4213	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4214	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4215	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4216	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4217	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4218	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4219	7	JENCKES-CHARLES.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4220	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4221	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4222	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4223	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4224	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4225	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4226	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4227	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4228	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4229	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4230	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4231	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4232	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4233	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4234	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4235	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4236	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4237	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4238	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4239	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4240	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4241	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4242	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		4434762-\$ US-					
		4434763-\$ US-					
		4465640-\$ US-					
		4539960-\$ US-					
		4556032-\$ US-					
		4558673-\$ US-					
		4681178-\$ US-					
		4736969-\$ US-					
		4798190-\$ US-					
		4798329-\$ US-					
		4802902-\$ US-					
		4817996-\$ US-					
		4826411-\$ US-					
		4827888-\$ US-					
		4929260-\$ US-					
		4949983-\$ US-					
		5009390-\$ US-					
		5012780-\$ US-					
		5113831-\$ US-					
		5148863-\$ US-					
		5186033-\$ US-					
		5208540-\$ US-					
		5211205-\$ US-					
		5235948-\$ US-					
		5261382-\$ US-					
		5325915-\$ US-					
		5460247-\$ US-					
		5527149-\$ US-					
		5551404-\$ US-					
		5807512-\$ US-					
		5809972-\$ US-					
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		5875872-\$ US-					
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		6339743-\$ US-					
		6378512-\$ US-					
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		7343896-\$ US-					
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		D447147-\$ US-					
		D508496-\$ US-					
		D578550-\$ US-					
		D648746-\$ US-					
		D659714-\$).DID.					

L4243	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4244	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4245	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4246	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4247	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4248	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4249	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4250	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4251	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4252	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4253	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4254	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4255	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4256	10	SPAINHOWARD-	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4257	1217	COREY.in.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:10 PM
		HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4258	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4259	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4260	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4261	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4262	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4263	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4264	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4265	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4266	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4267	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4268	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4269	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4270	7	JENCKES-CHARLES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4271	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4272	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4273	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4274	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4275	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4276	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4277	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4278	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4279	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4280	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4281	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L4282	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L4283	26	("4920937" "5553588"	(US-PGPUB; USPAT;	OR	OFF	OFF	2024/09/11

L4284	1603	"5806482").PN. OR ("6173690").URPN. (239/562).CCLS.	USOCR) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:10 PM 2024/09/11 02:10 PM
L4285	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4286	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4287	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4288	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4289	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4290	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4291	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4292	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4293	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4294	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4295	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4296	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2024/09/11 02:10 PM

L4297	7211	fuel and carburetor and orifice	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4298	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4299	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4300	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4301	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4302	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4303	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4304	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4305	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4306	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4307	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4308	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4309	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM

L4310	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4311	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4312	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4313	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4314	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4315	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4316	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4317	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4318	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4319	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4320	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4321	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001-\$).did. or (US-6173690-\$ or US-4528967-\$ or	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		US-4292945-\$ or US-4637366-\$ or US-4434765-\$ or US-4406266-\$ or US-4524743-\$ or US-7438050-\$ or US-4395989-\$ or US-4509483-\$ or US-3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L4322	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4323	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4324	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4325	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4326	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4327	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4328	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4329	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4330	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4331	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4332	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4333	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4334	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4335	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4336	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4337	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4338	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4339	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4340	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4341	0	"6776363").PN. OR ("9522408").URPN. ("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4342	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4343	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4344	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4345	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4346	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4347	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4348	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4349	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4350	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4351	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4352	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4353	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4354	4941	F02M35/10216.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4355	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4356	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4357	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L4358	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4359	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4360	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4361	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4362	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4363	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4364	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4365	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4366	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4367	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4368	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4369	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4370	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4371	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4372	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4373	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4374	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4375	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4376	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4377	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4378	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4379	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4380	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4381	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4382	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4383	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4384	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4385	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4386	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4387	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4388	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4389	1051	L45 and L48	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4390	2	("9376997").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L4391	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4392	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4393	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4394	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4395	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4396	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4397	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4398	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4399	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4400	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4401	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4402	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4403	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4404	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4405	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4406	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4407	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4408	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4409	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4410	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4411	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4412	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4413	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4414	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4415	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4416	513	L74 and L75	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4417	11877	carburat\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4418	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4419	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4420	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4421	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4422	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4423	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4424	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4425	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4426	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4427	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4428	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4429	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4430	134824	throttle and intake and valve	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4431	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4432	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4433	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4434	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4435	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4436	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4437	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4438	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4439	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4440	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4441	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4442	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4443	46	"4343148"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4444	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4445	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4446	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4447	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4448	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4449	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4450	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4451	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4452	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4453	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4454	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4455	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4456	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4457	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4458	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4459	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4460	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4461	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4462	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4463	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4464	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4465	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4466	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4467	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4468	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4469	7259	F02M61/18.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4470	510	F02M7/06.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L4471	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4472	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4473	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4474	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4475	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4476	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4477	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4478	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4479	131	(US-0040445-\$ US-0133185-\$ US-0136804-\$ US-03027476-\$ US-14156813-\$ US-20010049166-\$ US-20020100530-\$ US-20030062428-\$ US-20040084032-\$ US-20060244158-\$ US-20080110436-\$ US-2391589-\$ US-2409239-\$ US-4357283-\$ US-4434762-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		4434763-\$ US-					
		4465640-\$ US-					
		4539960-\$ US-					
		4556032-\$ US-					
		4558673-\$ US-					
		4681178-\$ US-					
		4736969-\$ US-					
		4798190-\$ US-					
		4798329-\$ US-					
		4802902-\$ US-					
		4817996-\$ US-					
		4826411-\$ US-					
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		4929260-\$ US-					
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		D578550-\$ US-					
		D648746-\$ US-					
		D659714-\$).DID.					

L4480	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4481	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4482	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4483	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4484	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4485	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4486	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4487	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4488	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4489	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4490	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4491	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4492	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4493	10	SPAINHOWARD-	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4494	1217	COREY.in.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L4494	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4495	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4496	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4497	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4498	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4499	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4500	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4501	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4502	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4503	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4504	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4505	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4506	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4507	7	JENCKES-CHARLES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4508	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4509	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4510	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4511	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4512	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4513	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4514	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4515	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4516	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4517	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4518	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L4519	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L4520	26	("4920937" "5553588"	(US-PGPUB; USPAT;	OR	OFF	OFF	2024/09/11

L4521	1603	"5806482").PN. OR ("6173690").URPN. (239/562).CCLS.	USOCR) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:10 PM 2024/09/11 02:10 PM
L4522	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4523	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4524	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4525	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4526	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4527	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4528	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4529	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4530	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4531	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4532	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4533	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2024/09/11 02:10 PM

L4534	7211	fuel and carburetor and orifice	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4535	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4536	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4537	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4538	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4539	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4540	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4541	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4542	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4543	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4544	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4545	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4546	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM

L4547	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4548	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4549	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4550	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4551	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4552	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4553	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4554	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4555	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4556	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4557	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4558	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		US-4292945-\$ or US-4637366-\$ or US-4434765-\$ or US-4406266-\$ or US-4524743-\$ or US-7438050-\$ or US-4395989-\$ or US-4509483-\$ or US-3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L4559	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4560	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4561	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4562	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4563	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4564	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4565	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4566	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4567	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4568	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4569	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4570	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4571	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4572	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4573	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4574	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4575	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4576	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4577	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4578	0	"6776363").PN. OR ("9522408").URPN. ("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4579	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4580	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4581	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4582	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4583	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4584	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4585	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4586	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4587	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4588	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4589	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4590	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4591	4941	F02M35/10216.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4592	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4593	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4594	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-20110120413-\$.DID. OR US-4588132-\$.DID. OR US-20150108256-\$.DID. OR US-4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L4595	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4596	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4597	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4598	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4599	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4600	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4601	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4602	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4603	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4604	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4605	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4606	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4607	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4608	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4609	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4610	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4611	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4612	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4613	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4614	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4615	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4616	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4617	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4618	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4619	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4620	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4621	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4622	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4623	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4624	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4625	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4626	1051	L45 and L48	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4627	2	("9376997").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4628	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4629	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4630	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4631	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4632	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4633	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4634	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4635	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4636	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4637	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4638	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4639	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4640	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4641	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4642	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4643	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4644	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4645	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4646	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4647	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4648	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4649	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4650	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4651	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4652	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4653	513	L74 and L75	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4654	11877	carburat\$4	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4655	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4656	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4657	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4658	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4659	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4660	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4661	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4662	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4663	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4664	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4665	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4666	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

			JPO; DERWENT; IBM_TDB)				
L4667	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4668	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4669	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4670	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4671	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4672	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4673	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4674	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4675	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4676	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4677	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4678	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4679	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4680	46	"4343148"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4681	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4682	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4683	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4684	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4685	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4686	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4687	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4688	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4689	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4690	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4691	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4692	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4693	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4694	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4695	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4696	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4697	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4698	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4699	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4700	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4701	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4702	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4703	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4704	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4705	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4706	7259	F02M61/18.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4707	510	F02M7/06.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L4708	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4709	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4710	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4711	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4712	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4713	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4714	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4715	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4716	131	(US-0040445-\$ US-0133185-\$ US-0136804-\$ US-03027476-\$ US-14156813-\$ US-20010049166-\$ US-20020100530-\$ US-20030062428-\$ US-20040084032-\$ US-20060244158-\$ US-20080110436-\$ US-2391589-\$ US-2409239-\$ US-4357283-\$ US-4434762-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		4434763-\$ US-					
		4465640-\$ US-					
		4539960-\$ US-					
		4556032-\$ US-					
		4558673-\$ US-					
		4681178-\$ US-					
		4736969-\$ US-					
		4798190-\$ US-					
		4798329-\$ US-					
		4802902-\$ US-					
		4817996-\$ US-					
		4826411-\$ US-					
		4827888-\$ US-					
		4929260-\$ US-					
		4949983-\$ US-					
		5009390-\$ US-					
		5012780-\$ US-					
		5113831-\$ US-					
		5148863-\$ US-					
		5186033-\$ US-					
		5208540-\$ US-					
		5211205-\$ US-					
		5235948-\$ US-					
		5261382-\$ US-					
		5325915-\$ US-					
		5460247-\$ US-					
		5527149-\$ US-					
		5551404-\$ US-					
		5807512-\$ US-					
		5809972-\$ US-					
		5863470-\$ US-					
		5875872-\$ US-					
		5890476-\$ US-					
		5908090-\$ US-					
		5959263-\$ US-					
		6120007-\$ US-					
		6125467-\$ US-					
		6165775-\$ US-					
		6196364-\$ US-					
		6205395-\$ US-					
		6272428-\$ US-					
		6339743-\$ US-					
		6378512-\$ US-					
		6481698-\$ US-					
		6482698-\$ US-					
		6520488-\$ US-					
		6535811-\$ US-					
		6837228-\$ US-					
		7255331-\$ US-					
		7343896-\$ US-					
		7591245-\$ US-					
		7634983-\$ US-					
		D447147-\$ US-					
		D508496-\$ US-					
		D578550-\$ US-					
		D648746-\$ US-					
		D659714-\$).DID.					

L4717	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4718	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4719	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4720	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4721	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4722	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4723	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4724	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4725	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4726	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4727	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4728	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4729	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4730	10	SPAINHOWARD-	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4731	1217	COREY.in.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:10 PM
		HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4732	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4733	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4734	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4735	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4736	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4737	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4738	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4739	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4740	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4741	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4742	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4743	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4744	7	JENCKES-CHARLES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4745	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4746	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4747	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4748	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4749	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4750	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4751	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4752	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4753	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4754	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4755	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L4756	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L4757	26	("4920937" "5553588"	(US-PGPUB; USPAT;	OR	OFF	OFF	2024/09/11

L4758	1603	"5806482").PN. OR ("6173690").URPN. (239/562).CCLS.	USOCR) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:10 PM 2024/09/11 02:10 PM
L4759	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4760	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4761	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4762	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4763	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4764	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4765	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4766	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4767	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4768	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4769	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4770	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2024/09/11 02:10 PM

L4771	7211	fuel and carburetor and orifice	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4772	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4773	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4774	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4775	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4776	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4777	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4778	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4779	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4780	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4781	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4782	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4783	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM

L4784	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4785	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4786	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4787	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4788	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4789	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4790	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4791	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4792	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4793	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4794	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4795	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001-\$).did. or (US-6173690-\$ or US-4528967-\$ or	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		US-4292945-\$ or US-4637366-\$ or US-4434765-\$ or US-4406266-\$ or US-4524743-\$ or US-7438050-\$ or US-4395989-\$ or US-4509483-\$ or US-3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L4796	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4797	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4798	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4799	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4800	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4801	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4802	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4803	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4804	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4805	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4806	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4807	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4808	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4809	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4810	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4811	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4812	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4813	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4814	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4815	1	"6776363").PN. OR ("9522408").URPN. "20210346742"	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4816	10	chee-chong AND low AND noise AND nozzle	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4817	66	tbi AND fuel AND inject	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4818	43	tbi AND fuel AND inject AND throttle	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4819	60	((US-20130298868-A1 OR US-20020043238- A1 OR US- 20040084032-A1 OR US-20120198852-A1 OR US-20120198853- A1 OR US- 20140331676-A1 OR US-20160201581-A1 OR US-20090145406- A1 OR US- 20130298871-A1 OR US-20040061001-A1 OR US-20140123944- A1 OR US- 20180266376-A1 OR US-20200167496-A1 OR US-20190170069- A1 OR US- 20150108256-A1 OR US-20110000981-A1 OR US-20120292408- A1 OR US- 20140238350-A1).did. AND PGPB.dbnm.) OR ((US-5255658-A OR US-4250856-A OR US- 4515134-A OR US- 9115671-B2 OR US- 5417057-A OR US- 3800531-A OR US- 5662077-A OR US- 9376997-B1 OR US- 4835960-A OR US- 4656987-A OR US- 10859004-B2 OR US- 10294902-B2 OR US- 10830195-B2 OR US- 11118515-B2 OR US- 3799514-A OR US- 6173690-B1 OR US- 4528967-A OR US- 4292945-A OR US- 4637366-A OR US- 4434765-A OR US- 4406266-A OR US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		4524743-A OR US-7438050-B2 OR US-4395989-A OR US-4509483-A OR US-3664648-A OR US-5273688-A OR US-4966735-A OR US-4673536-A OR US-3564580-A OR US-5527367-A OR US-4404941-A OR US-2428377-A OR US-3800769-A OR US-3763936-A OR US-5937653-A).did. AND USPT.dbnm.) OR ((US-3181520-A OR US-3664648-A OR US-2428377-A OR US-2479777-A).did. AND USOC.dbnm.) OR ((US-20140123944-A1 OR US-20150108256-A1).did. AND DWPI.dbnm.)					
L4820	3	L1957 AND I1956	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4821	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4822	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4823	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4824	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4825	39	GIESKE-AMY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4826	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4827	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4828	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4829	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4830	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4831	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4832	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4833	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4834	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4835	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4836	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4837	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR					
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		US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L4838	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4839	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4840	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4841	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4842	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4843	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4844	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4845	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4846	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L4847	29	("2428377" "2447262" "2957464" "2989065"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L4848	428165	"3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN. fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4849	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4850	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4851	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4852	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4853	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4854	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4855	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4856	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4857	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4858	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4859	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4860	1603	(239/562).CCLS.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4861	4	("5937653").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4862	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4863	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4864	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4865	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4866	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4867	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4868	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4869	1051	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4870	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4871	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L4872	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4873	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4874	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4875	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4876	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4877	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4878	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4879	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4880	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4881	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4882	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4883	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4884	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4885	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4886	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4887	144460	"fuel injector"	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4888	6	"fuel injector" near "annular ring"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4889	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4890	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4891	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4892	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4893	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4894	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4895	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4896	513	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4897	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4898	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4899	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4900	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4901	5	("4250856").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4902	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4903	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4904	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4905	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4906	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4907	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4908	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4909	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4910	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4911	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4912	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4913	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4914	11	L88 and L92	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4915	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4916	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4917	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4918	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4919	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4920	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4921	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4922	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4923	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4924	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4925	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4926	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4927	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4928	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4929	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4930	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4931	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4932	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4933	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4934	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4935	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4936	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4937	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4938	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4939	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4940	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L4941	1054	F02D9/109.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L4942	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4943	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4944	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4945	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4946	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4947	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4948	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4949	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4950	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4951	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4952	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4953	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L4954	1603	(239/562).CCLS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4955	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4956	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4957	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4958	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4959	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US- 4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID.					
L4960	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4961	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4962	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4963	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4964	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2024/09/11 02:10 PM

L4965	1189	F02M61/1826.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4966	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4967	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4968	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4969	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4970	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4971	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4972	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4973	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4974	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4975	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4976	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4977	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L4978	1172	F02M69/043.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4979	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4980	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4981	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4982	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4983	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4984	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4985	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4986	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4987	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4988	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4989	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4990	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L4991	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4992	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4993	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4994	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L4995	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4996	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4997	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L4998	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L4999	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5000	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5001	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5002	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5003	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5004	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5005	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5006	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5007	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5008	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5009	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5010	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5011	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5012	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5013	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5014	7211	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5015	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5016	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5017	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5018	140	L229 and L230	(US-PGPUB; USPAT;	OR	OFF	OFF	2024/09/11

L5019	3	("20150060090").PN.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	02:10 PM 2024/09/11 02:10 PM
L5020	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5021	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5022	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5023	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5024	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5025	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5026	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5027	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5028	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5029	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5030	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5031	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5032	4941	F02M35/10216.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5033	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5034	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5035	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5036	6	((("20100199574") or ("5,862,632")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5037	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5038	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US- 3664648-\$ or US- 5273688-\$ or US- 4966735-\$ or US- 4673536-\$ or US- 3799514-\$ or US- 3564580-\$ or US- 5527367-\$ or US- 4404941-\$ or US- 2428377-\$ or US- 3800769-\$ or US- 3763936-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L5039	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5040	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5041	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5042	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5043	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5044	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5045	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5046	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5047	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5048	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5049	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5050	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5051	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5052	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5053	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5054	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5055	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5056	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5057	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5058	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5059	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5060	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5061	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5062	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5063	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5064	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5065	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5066	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5067	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5068	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5069	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5070	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5071	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5072	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5073	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5074	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR					
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		US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L5075	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5076	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5077	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5078	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5079	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5080	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5081	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5082	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5083	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5084	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L5085	428165	"3613650").PN. OR ("3800769").URPN. fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5086	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5087	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5088	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5089	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5090	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5091	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5092	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5093	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5094	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5095	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5096	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5097	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5098	4	("5937653").PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5099	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5100	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5101	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5102	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5103	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5104	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5105	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5106	1051	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5107	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5108	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5109	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5110	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5111	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5112	644868	throttle	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5113	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5114	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5115	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5116	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5117	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5118	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5119	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5120	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5121	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5122	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5123	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5124	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5125	6	"fuel injector" near "annular ring"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5126	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5127	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5128	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5129	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5130	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5131	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5132	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5133	513	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5134	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5135	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5136	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5137	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5138	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5139	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5140	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5141	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5142	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5143	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5144	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5145	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5146	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5147	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5148	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5149	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5150	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5151	11	L88 and L92	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5152	507	replace near7 carburetor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L5153	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5154	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5155	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5156	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5157	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5158	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5159	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5160	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5161	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5162	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5163	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5164	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5165	2	"13671196"	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5166	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5167	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5168	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5169	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5170	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5171	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5172	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5173	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5174	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5175	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5176	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5177	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5178	1054	F02D9/109.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5179	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5180	4072462	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5181	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5182	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5183	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5184	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5185	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5186	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5187	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5188	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5189	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5190	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5191	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5192	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5193	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5194	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5195	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5196	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US- 4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US- 5186033-\$ US- 5208540-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID.					
L5197	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5198	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5199	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5200	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5201	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM

L5202	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5203	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5204	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5205	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5206	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5207	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5208	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5209	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5210	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5211	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5212	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5213	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5214	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5215	1172	F02M69/043.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5216	1243	F02M61/184.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L5217	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5218	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5219	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5220	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5221	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5222	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5223	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5224	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5225	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5226	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5227	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5228	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5229	1189	F02M61/1826.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5230	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5231	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5232	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5233	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5234	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5235	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L5236	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5237	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5238	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5239	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5240	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5241	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5242	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5243	1524	F02D9/1035.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5244	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5245	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5246	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5247	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5248	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5249	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5250	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5251	7211	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5252	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5253	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5254	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5255	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2024/09/11 02:10 PM

L5256	3	("20150060090").PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5257	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5258	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5259	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5260	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5261	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5262	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5263	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5264	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5265	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5266	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5267	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5268	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5269	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5270	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5271	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5272	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5273	6	((("20100199574") or ("5,862,632")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5274	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5275	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US- 3664648-\$ or US- 5273688-\$ or US- 4966735-\$ or US- 4673536-\$ or US- 3799514-\$ or US- 3564580-\$ or US- 5527367-\$ or US- 4404941-\$ or US- 2428377-\$ or US- 3800769-\$ or US- 3763936-\$ or US- 5937653-\$ or US- 3800531-\$ or US- 4250856-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

		4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L5276	64175	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5277	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5278	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5279	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5280	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5281	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5282	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5283	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5284	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5285	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5286	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5287	430651	b05b\$/\$.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5288	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5289	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5290	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5291	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5292	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5293	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5294	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5295	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5296	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5297	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5298	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5299	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5300	7	JENCKES-CHARLES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5301	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5302	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5303	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5304	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5305	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5306	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5307	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5308	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5309	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5310	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5311	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR					
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		US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L5312	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5313	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5314	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5315	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5316	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5317	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5318	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5319	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5320	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5321	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

L5322	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5323	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5324	10471	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5325	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5326	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5327	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5328	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5329	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5330	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5331	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5332	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5333	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5334	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5335	4	("5937653").PN.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5336	1720628	annular.clm.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L5337	681610	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5338	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5339	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5340	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5341	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5342	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5343	1051	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5344	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5345	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5346	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5347	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5348	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5349	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5350	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5351	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5352	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5353	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5354	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5355	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5356	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5357	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5358	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5359	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5360	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5361	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5362	6	"fuel injector" near	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5363	166093	"annular ring"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5364	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5365	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5366	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5367	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5368	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5369	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5370	513	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5371	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5372	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5373	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5374	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5375	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5376	216	"carburator".ti.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5377	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5378	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5380	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5381	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5382	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5383	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5384	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5385	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5386	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5387	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5388	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5389	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5390	0	substitu near7 carburetor	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5391	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5392	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5393	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5394	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5395	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5396	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5397	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5398	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5399	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5400	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5401	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5402	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5403	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5404	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5405	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5406	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5407	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5408	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5409	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5410	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5411	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5412	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5413	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5414	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5415	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5416	144460	"fuel injector"	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5417	4072462	nozzle	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L5418	38637	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5419	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5420	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5421	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5422	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5423	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5424	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5425	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5426	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5427	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5428	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5429	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5430	7	DRALLE-JAMES.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5431	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5432	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5433	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US- 4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US- 5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

		5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID.					
L5434	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5435	219	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5436	2147	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5437	34001	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5438	6952	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5439	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5440	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5441	4941	F02M35/10216.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM
L5442	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5443	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5444	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5445	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5446	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5447	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5448	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5449	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5450	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5451	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5452	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5453	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5454	4941	F02M35/10216.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5455	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5456	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5457	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5458	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5459	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5460	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5461	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5462	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5463	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5464	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5465	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5466	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5467	1054	F02D9/109.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5468	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5469	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5470	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5471	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5472	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2024/09/11 02:10 PM
L5473	19	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5474	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2024/09/11 02:10 PM
L5475	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5476	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5477	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5478	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5479	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5480	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5481	4941	F02M35/10216.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5482	1243	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5483	1172	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5484	15019	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5485	31722891	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5486	15019	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5487	15019	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5488	7211	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5489	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5490	23572	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5491	14195	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5492	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5493	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM

L5494	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5495	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5496	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5497	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5498	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5499	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5500	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5501	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5502	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5503	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5504	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5505	1524	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5506	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5507	1243	F02M61/184.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

L5508	1172	F02M69/043.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:10 PM 2024/09/11 02:10 PM
L5509	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5510	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5511	6	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2024/09/11 02:10 PM
L5512	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US- 3664648-\$ or US- 5273688-\$ or US- 4966735-\$ or US- 4673536-\$ or US- 3799514-\$ or US- 3564580-\$ or US- 5527367-\$ or US- 4404941-\$ or US- 2428377-\$ or US- 3800769-\$ or US- 3763936-\$ or US- 5937653-\$ or US- 3800531-\$ or US- 4250856-\$ or US- 4515134-\$ or US- 5417057-\$).did. or (US- 5662077-\$ or US- 4835960-\$ or US- 4656987-\$).did. or (US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2024/09/11 02:10 PM

L5513	64175	3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did. throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5514	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5515	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5516	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5517	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5518	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5519	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5520	799	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5521	5133	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5522	1762	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5523	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5524	430651	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5525	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5526	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5527	12940	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5528	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5529	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5530	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5531	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5532	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5533	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5534	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5535	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5536	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5537	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5538	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5539	1217	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5540	701788	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5541	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5542	36291	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5543	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5544	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5545	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5546	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5547	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5548	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM

		US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR					
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		US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L5549	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5550	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5551	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5552	20	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5553	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5554	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5555	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5556	26	("3564580").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5557	10	("2428377").URPN.	(USPAT)	OR	ON	ON	2024/09/11 02:10 PM
L5558	29	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5559	428165	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5560	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5561	10471	L9 and L28 and L29	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5562	150304	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5563	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5564	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5565	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5566	7259	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5567	510	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5568	4941	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5569	1189	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5570	1054	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5571	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5572	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5573	1720628	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5574	681610	fuel.clm.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5575	152277	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5576	5211	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5577	79	carburator.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5578	120	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5579	4127980	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5580	1051	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5581	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5582	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/09/11 02:10 PM
L5583	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5584	37771	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5585	91	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5586	644868	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5587	31370	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5588	37771	"annular ring".clm.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5589	91	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5590	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5591	15613	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5592	1461	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5593	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5594	884338	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5595	56	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5596	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5597	56	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5598	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5599	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5600	166093	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/09/11 02:10 PM

L5601	15613	"throttle plate"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5602	79	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5603	456	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5604	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5605	7959	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5606	4879776	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5607	513	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5608	11877	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5609	511	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5610	30	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5611	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5612	5	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5613	216	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

L5614	32940	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5615	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5616	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5617	67	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5618	3155	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5619	144460	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5620	562	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5621	134824	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5622	311	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5623	275	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5624	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5625	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5626	507	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5627	0	substitu near7	(US-PGPUB; USPAT;	OR	ON	ON	2024/09/11

		carburetor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)				02:10 PM
L5628	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5629	513	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5630	1059	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5631	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5632	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5633	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5634	46	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5635	1628	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5636	180	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5637	5	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5638	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5639	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5640	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2024/09/11 02:10 PM

L5641	2	("9376997").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5642	29	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5643	1603	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5644	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5645	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM
L5646	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/11 02:10 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N287	812	(239/562).CCLS.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:10 PM
N288	207	F02M61/1826.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:11 PM
N289	2712	B05B1/14.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:11 PM
N290	16	(plurality AND orifices AND throttle AND plate AND fuel AND injector).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:15 PM
N291	3	(annularly AND orifices AND throttle AND plate AND fuel AND injector).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:16 PM
N292	15	(air AND intake AND orifices AND throttle AND plate AND fuel AND injector).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:17 PM
N293	7	(air AND port AND orifices AND throttle AND plate AND fuel AND injector).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:17 PM

N294	3	(rotatable AND shaft AND orifices AND throttle AND plate AND fuel AND injector).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/11 02:17 PM
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I THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.: HYP0050NA1
	)	
Inventor: Doug FLYNN, <i>et al.</i>	)	Examiner: Chee-Chong LEE
	)	
Application No.: 17/882,762	)	Group Art Unit: 3752
	)	
Filed: August 8, 2022	)	Confirmation No.: 4482
	)	
For: Fuel Injection Throttle Body	)	Date Submitted: July 8, 2024

Mail Stop RCE

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**RESPONSE TO ADVISORY ACTION
REQUEST FOR CONTINUED EXAMINATION UNDER 37 CFR § 1.114(C)
AND REQUEST FOR EXTENSION OF TIME UNDER 37 C.F.R. §1.136**

Dear Examiner:

The following amendments and remarks are submitted in response to the Advisory Action mailed June 25, 2024, in the above-referenced patent Application. The Applicant thanks the Examiner for the thorough review of the application.

In addition, the Applicant respectfully requests a one-month extension of time under 37 C.F.R. §1.136. Accordingly, a payment, as specified in 37 C.F.R. §1.17(a), of \$220.00 is accompanied with this response.

LISTING OF THE CLAIMS begins on page 2.

REMARKS begin on page 5.

LISTING OF THE CLAIMS

A listing of the entire set of pending claims is submitted herewith per 37 CFR §1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. **(Currently Amended)** A fuel injection throttle body **for an internal combustion engine**, comprising:
 - an air intake extending through said fuel injection throttle body in a vertical orientation;
 - said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake;
 - a fuel port in said fuel injection throttle body and capable of receiving fuel from an electronic fuel injector;
 - a fuel channel in fluid communication with said fuel port to receive said fuel;
 - a plurality of orifices disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake;
 - a throttle plate disposed in said air intake and rotatable on a shaft, said throttle plate movable to vary the airflow moving through the air intake; and,
 - an electronic controller which controls said electronic fuel injector.
2. (Original) The fuel injection throttle body of Claim 1, said air intake comprising at least two air intakes.
3. (Original) The fuel injection throttle body of Claim 1, said air intake comprising four air intakes.
4. (Original) The fuel injection throttle body of Claim 1, said electronic controller disposed on a side of said fuel injection throttle body.
5. (Original) The fuel injection throttle body of Claim 1, said plurality of orifices comprising one or more sizes.

6. (Original) The fuel injection throttle body of Claim 1, further comprising a fuel ring disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.
7. (Canceled)
8. **(Currently Amended)** A fuel injection throttle body **for an internal combustion engine**, comprising:
 - a plurality of air intakes that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end;
 - each air intake of said plurality of air intakes having a fuel port disposed in said fuel injection throttle body, and capable of receiving fuel from an electronic fuel injector;
 - each said electronic fuel injector configured to be in fluid communication with a fuel supply;
 - a fuel channel disposed within each said air intake, said fuel channel receiving fuel from said electronic fuel injector;
 - a plurality of orifices disposed in an annular ring allowing said fuel to flow from said fuel channel into said air intake;
 - wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end;
 - a throttle shaft having a throttle plate thereon, said throttle plate rotatably disposed within said air intake; and,
 - an electronic control unit to control said fuel from each said electronic fuel injector.
9. (Previously Presented) The fuel injection throttle body of Claim 8, said plurality of air intakes comprising two air intakes.
10. (Previously Presented) The fuel injection throttle body of Claim 8, said plurality of air intakes comprising four air intakes.
11. (Original) The fuel injection throttle body of Claim 8, said plurality of orifices being one or more sizes.

12. (Previously Presented) The fuel injection throttle body of Claim 8 further comprising each said annular ring disposed in one said air intake of said plurality of air intakes.
13. (Original) The fuel injection throttle body of Claim 12, said fuel channel formed in said fuel injection throttle body, or said annular ring, or both.
14. (Canceled)

REMARKS

These remarks are responsive to the Advisory Action mailed on June 25, 2024 (“the Office Action”). The Applicant (inclusive of Applicant’s attorney) thanks the Examiner for the examination of the above-referenced Application.

On June 10, 2024 Applicant had a telephone interview with the Examiner. Applicant thanks the Examiner for his time and consideration. The contents of the interview are documented in the Examiner’s summary. Applicant received an Advisory Action following such call and Applicant responds to same. Applicant spoke with the Examiner and the Examiner indicated he would follow up upon filing of the instant RCE and upon return from travel.

Status of the Claims

At the time of the Office Action, Claims 1-6 and 8-13 were pending, with Claims 1-6 and 8-13 being rejected. Claims 1 and 8 are amended herein. Support for these amendments may be found throughout the Specification. No new matter is being submitted.

Double Patenting

The Examiner has rejected Claims 1 and 8 on the ground of non-statutory type double patenting as being unpatentable over Claims 1, 3, 8, 10, 11, and 16 of U.S. Patent No. 10,012,197. Applicant requests reconsideration. In the above referenced claims of the instant application, the claims require a plurality of orifices. The claims are non-descript regarding primary or secondary orifices. The ‘197 Patent claims require in the independent claims a primary orifice and secondary orifices. For *at least* this reason, and perhaps others, Applicant asserts that the claim differences remove the need for this double patenting rejection and the terminal disclaimer.

The Examiner has rejected Claim 1 and 5 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 10,570,866. Claim 1 of the ‘866 Patent is a method claim. Claims 1 and 8 of the application are structural claims. Applicant respectfully asserts that a double patenting rejection is not warranted for these differing claim types. Further, as noted previously, the ‘866 Patent also requires primary and second orifices whereas Applicant’s instant independent claims are not limited to differing types of orifices. Applicant therefore respectfully requests reconsideration.

The Examiner has rejected Claim 1 and 8 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 11,409,894. Applicant is agreeable to a terminal disclaimer on this '894 Patent.

An electronic terminal disclaimer directed to the '894 patents was previously submitted and entered. Applicant's notes that any submitted terminal disclaimer is solely in an effort to expedite prosecution in accordance with USPTO goal of compact prosecution. Submission of the terminal disclaimer does not constitute acquiescence to the propriety of the double patenting rejections.

35 U.S.C. §103 Rejections

The Examiner has rejected Claims 1-6 and 8-13 under 35 U.S.C. §103 as being unpatentable over *Graffman* (US Patent 3,800,769) in view of *Kosuge et al* (US Patent 4,589,389). Applicant has amended the claims rendering this ground of rejection moot.

When determining whether a claim is obvious under 35 U.S.C §103, an examiner must make "a searching comparison of the claimed invention — ***including all its limitations*** — with the teaching of the prior art." *In re Ochiai*, 71 F.3d 1565, 1572 (Fed. Cir. 1995) (emphasis added). Thus, "obviousness requires a suggestion of all limitations in a claim." *CFMT, Inc. v. Yieldup Intern. Corp.*, 349 F.3d 1333, 1342 (Fed. Cir. 2003) (citing *In re Royka*, 490 F.2d 981, 985 (CCPA 1974) (holding that to establish prima facie obviousness of a claimed invention, all the claim features must be taught or suggested by the prior art)). The Examiner must then provide an explicit analysis of the motivation for combining the references. *See KSR Int'l Co. v. Teleflex Inc.*, 127 S. Ct. 1727, 1741 (2007) ("a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art ...").

Applicant notes that in the previous discussions with the Examiner, that the distinction between carburetors and electronic fuel injection (EFI) has been made. As a reminder, Applicant's specification sets forth the desire to overcome problems with the prior art as related to prior art carburetors. The Examiner seems to disregard this portion of Applicant's stated goals. Applicant notes that the primary reference ('769) is a carburetor patent. Applicant teaches away from the problems of a carburetor and yet the Examiner uses such.

Nonetheless, Applicant has amended the independent claims as with at least one previous patent in this family. Applicant makes clear that the instant claims are directed to use with an internal combustion engine. Applicant discussed this amendment in a brief call with the Examiner on June 10, 2024. The Examiner reminded the Applicant that this amendment resulted in allowance in previous prosecution of a family patent.

Applicant also notes that the '389 Patent does not aid in this issue. The '769 patent remains detrimental to the rejection. The '769 patent teaches a carburetor and that is contrary to the stated goal of Applicant's teaching.

Moreover, the '389 Patent discusses the concepts of running rich or lean – those are issues typical of carburetors. Given the age of the patent, it is unclear if this teaching relates to Applicant's type of electronic fuel injection or the pulses related to distributors, such as used with carburetors.

Additionally, with regard to the prior art, there is no need for the claimed electronic controller (or electronic control unit in Claim 7) where a carburetor is provided.

For at least the reasons set forth herein, the Applicant respectfully submits that the cited references fail to render obvious independent Claims 1 and 7, and any claim depending therefrom. Thus, the Applicant respectfully requests that this rejection be withdrawn.

General Comments on Dependent Claims

Since each of the dependent claims depends from a base claim that is believed to be in condition for allowance, Applicant believes that it is unnecessary at this time to argue the allowability of each of the dependent claims individually. Applicant does not however, necessarily concur with the interpretation of any dependent claim, as set forth in the Office Action nor does Applicant concur that the basis for the rejection of any dependent claim is proper. Therefore, Applicant reserves the right to further address the patentability of the dependent claims in the future, if deemed necessary.

Closing Remarks

In responding to this Office Action, Applicant has presented only those arguments or made only those amendments that Applicant believes are warranted. To the extent that Applicant has not, for example, responded to every factual or legal issue raised by the Office,

and Applicant has not presented every argument supporting patentability that may be relevant, the decision not to address a factual or legal issue raised or to present a certain argument in support shall not be construed as Applicant's agreement with the Office on such issue or effect a waiver of Applicant's right to address such issues or make such arguments in the future.

CONCLUSION

The Applicant respectfully submits that the application is in condition for allowance, and reconsideration and notice of allowance are respectfully requested. If the Examiner believes that prosecution might be advanced by discussing the application with the Applicant's counsel, in person or over the telephone, the Applicant's counsel would welcome the opportunity to do so.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is an additional fee occasioned by this response, please charge any deficiency to Deposit Account No. 041133.

Respectfully submitted,

Date: July 8, 2024

DINSMORE & SHOHL LLP

/ James E. Cole /

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**REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)**

Application Number	17/882,762	Filing Date	2022-08-08	Docket Number (if applicable)	HYP0050NA1	Art Unit	3752
First Named Inventor	Doug Flynn			Examiner Name	CHEE-CHONG LEE		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____☐ Other _____☒ Enclosed☒ Amendment/Reply☐ Information Disclosure Statement (IDS)☐ Affidavit(s)/ Declaration(s)☒ Other Petition for Extension of Time _____**MISCELLANEOUS**☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)☐ Other _____**FEES****The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to
Deposit Account No 041133**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**☒ Patent Practitioner Signature☐ Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	/James E. Cole/	Date (YYYY-MM-DD)	2024-07-08
Name	James E. Cole	Registration Number	50530

This collection of information is required by 37 CFR 1.114. 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.

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

Privacy Act Statement

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICEP.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/882,762RECEIPT DATE / TIME
07/08/2024 03:24:44 PM Z ETATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 66267689

AUTHORIZED BY James Cole

CUSTOMER # 146169

FILING DATE 08/08/2022

CORRESPONDENCE
ADDRESS -FIRST NAMED
INVENTOR Doug Flynn

Payment Information

PAYMENT METHOD
CARD / 7913PAYMENT TRANSACTION ID
E202478F25097689PAYMENT AUTHORIZED BY
Tammy SwarensPRE-AUTHORIZED ACCOUNT
041133PRE-AUTHORIZED CATEGORY
37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1251	EXTENSION FOR RESPONSE WITHIN FIRST MONTH	220.00	1	220.00
1801	REQUEST FOR CONTINUED EXAMINATION (RCE) - 1ST REQUEST (SEE 37 CFR 1.114)	1360.00	1	1360.00
TOTAL AMOUNT:				\$1,580.00

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

EX. 1002 - 204

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
07/08/2024 03:24:44 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 66267689

FILING DATE 08/08/2022

CUSTOMER # 146169

FIRST NAMED
INVENTOR Doug Flynn

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Cole

Documents

TOTAL DOCUMENTS: 5

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2024-07-08 EOT HYP0050NA1 140461- 223.pdf	2	Extension of Time	284 KB
2024-07-08 RCE HYP0050NA1 140461- 223.pdf	3	Request for Continued Examination (RCE)	1628 KB
2024-07-08 Response 062524 AA HYP0050NA1 140461-223.pdf	8	-	84 KB
2024-07-08 Response 062524 AA HYP0050NA1 140461-223-A.NE.pdf	(1-1) 1	Response After Final Action	52 KB

2024-07-08 Response 062524 AA HYP0050NA1 140461-223-CLM.pdf	(2-4)	3	Claims	45 KB
2024-07-08 Response 062524 AA HYP0050NA1 140461-223-REM.pdf	(5-8)	4	Applicant Arguments/Remarks Made in an Amendment	64 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2024-07-08 EOT HYP0050NA1 140461-223.pdf	585750419505F13208A09FA344A5E4F39DFD9E67B474E23092 B3279D4AC54DC47AF3A572D58F25EF925EAA97A8C9DDE06A CB475D4D1B147ABE5C744F06E814F6
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2024-07-08 Response 062524 AA HYP0050NA1 140461-223- CLM.pdf	052681594E4FD0395D98BCA8793176DC401F6094D08A969151 62E104AD2CF4D48FDED8B0A89D1A2531413A510AE1A4CDFS 17495F61C4A2ACB136D33D80933E78
2024-07-08 Response 062524 AA HYP0050NA1 140461-223- REM.pdf	66B1E6BC87AED84743BC28392C9ACA7620746CE0E1EB670B BE86B5D3AE66B6AAB8E68F46275893C176EB2C7E91AE68BF29 5331A54A60216CA86B18F9D6320FACE

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

described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) HYP0050NA1
Application Number 17/882,762	Filed 2022-08-08	
For Fuel Injection Throttle Body		
Art Unit 3752	Examiner CHEE-CHONG LEE	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	<u>Micro Entity Fee</u>	
☒ One month (37 CFR 1.17(a)(1))	\$220	\$88	\$44	\$ <u>220.00</u>
☐ Two months (37 CFR 1.17(a)(2))	\$640	\$256	\$128	\$ _____
☐ Three months (37 CFR 1.17(a)(3))	\$1,480	\$592	\$296	\$ _____
☐ Four months (37 CFR 1.17(a)(4))	\$2,320	\$928	\$464	\$ _____
☐ Five months (37 CFR 1.17(a)(5))	\$3,160	\$1,264	\$632	\$ _____

☐ Applicant asserts small entity status. See 37 CFR 1.27.
☐ Applicant certifies micro entity status. See 37 CFR 1.29.
 Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.
☐ A check in the amount of the fee is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director has already been authorized to charge fees in this application to a Deposit Account.
☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to
 Deposit Account Number 041133.
☒ Payment made via USPTO patent electronic filing system.

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

I am the

☐ applicant.
☒ attorney or agent of record. Registration number 50530.
☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/James E. Cole/

Signature

2024-07-08

Date

James E. Cole

Typed or printed name

502-581-8057

Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ * Total of _____ forms are submitted.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0031. Public burden for this form is estimated to average 6 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** If filing this completed form by mail, send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). <https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

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

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

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/882,762	Filing Date 08/08/2022	☐ To be Mailed
---	--	---------------------------	---------------------------------------

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	x \$100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x \$480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED - PART II

	(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	07/08/2024		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*	12	Minus	** 20	= 0
	Independent (37 CFR 1.16(h))	*	2	Minus	*** 3	= 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			CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*		Minus	**	=
	Independent (37 CFR 1.16(h))	*		Minus	***	=
	☐ Application Size Fee (37 CFR 1.16(s))					
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					
TOTAL ADD'L FEE						
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						SLIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/PATIENCE RESPER/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".						
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.						

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	06/25/2024	EXAMINER	
Dinsmore & Shohl LLP (Holley)			LEE, CHEE-CHONG	
255 E 5th St #1900				
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			06/25/2024	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 17/882,762	Applicant(s) Flynn et al.	
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (FITF) Status Yes

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

THE REPLY FILED 11 June 2024 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 5 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 APPLICANTS 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 37CFR 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 Continuation Sheet (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: _____

13. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____

14. ☒ Other: PTOL-2323 and PTO-413B are attached.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____

Claim(s) objected to: _____

Claim(s) rejected: 1-6 and 8-13.

Claim(s) withdrawn from consideration: 1-6 and 8-13.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
---	--

Continuation of 3. NOTE: The request for reconsideration has been considered but does NOT place the application in condition for allowance because: The Examiner and the Applicant representative discussed the amendment to claims 1 and 8. It is the Examiner's position that Graffman discloses a carbureted engine, and a carbureted engine is considered an internal combustion engine. The Examiner and the Applicant representative discussed other options to distinguish the Applicant's invention. No definitive agreement is made, in terms of amendment, during the interview.

A decision on determining allowability could not be made within the guidelines of the pilot.

<i>Examiner-Initiated Interview Summary</i>	Application No. 17/882,762	Applicant(s) Flynn et al.		
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHEE-CHONG LEE	Primary Examiner	Telephonic
JAMES E. COLE	Attorney of Record	

Date of Interview: 19 June 2024

Issues Discussed:

35 U.S.C. 103

The Examiner and the Applicant representative discussed the amendment to claims 1 and 8. It is the Examiner's position that Graffman discloses a carbureted engine, and a carbureted engine is considered an internal combustion engine. The Examiner and the Applicant representative discussed other options to distinguish the Applicant's invention. No definitive agreement is made, in terms of amendment, during the interview.

Other

The after final amendment raises new issues. A decision on determining allowability could not be made within the guidelines of the pilot.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

AFCP 2.0 Decision

Application No.

17/882,762

Applicant(s)

Flynn et al.

Examiner

CHEE-CHONG LEE

Art Unit

3752

AIA (FITF) Status

Yes

This is in response to the After Final Consideration Pilot request filed 11 June 2024.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

- ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.
- ☐ A non-broadening amendment to at least one independent claim was not submitted.
- ☐ The request is not the first proper AFCP 2.0 request submitted in response to the most recent final rejection.
- ☐ Other: _____

2. **Proper Request**

- A. After final amendment submitted with the request will not be treated under AFCP 2.0.

The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

- ☐ The after final amendment will be treated under pre-pilot procedure.

- B. Updated search and/or completed additional consideration.

The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

- ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.
- ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.
- ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.
- ☐ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.
- ☒ 5. Other: See Continuation Sheet

Examiner Note: Please attach an interview summary when necessary as described above.

Continuation of Proper Request- B. 5. Other: The after final amendment raises new issues that changes the scope of the invention, thus require further consideration and search. A decision on determining allowability could not be made within the guidelines of the pilot.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.: HYP0050NA1
	)	
Inventor: Doug FLYNN, <i>et al.</i>	)	Examiner: Chee-Chong LEE
	)	
Application No.: 17/882,762	)	Group Art Unit: 3752
	)	
Filed: August 8, 2022	)	Confirmation No.: 4482
	)	
For: Fuel Injection Throttle Body	)	Date Submitted: June 11, 2024

Mail Stop AMENDMENT

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

DO NOT ENTER: /C.L./

**REPLY TO FINAL OFFICE ACTION UNDER 37 C.F.R. §1.116
SUBMITTED WITH AN AFTER FINAL CONSIDERATION
PILOT (AFCP) 2.0 REQUEST**

Dear Examiner:

The following amendments and remarks are submitted in response to the Office Action mailed January 11, 2024, in the above-referenced patent Application. The Applicant thanks the Examiner for the thorough review of the application.

LISTING OF THE CLAIMS begins on page 2.

REMARKS begin on page 5.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	06/13/2024		
Dinsmore & Shohl LLP (Holley)			EXAMINER	
255 E 5th St #1900			LEE, CHEE-CHONG	
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			06/13/2024	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 17/882,762	Applicant(s) Flynn et al.		
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHEE-CHONG LEE	Primary Examiner	Telephonic
JAMES COLE	Attorney of Record	

Date of Interview: 10 June 2024

Issues Discussed:

35 U.S.C. 103

The Applicant and the Examiner discussed the obviousness 103 rejection in the previous Final Rejection dated 1/11/2024. Various limitations were discussed to overcome the previous Office Action. No definitive agreement is made during the interview.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) HYP0050NA1
Application Number 17/882,762	Filed 2022-08-08	
For Fuel Injection Throttle Body		
Art Unit 3752	Examiner CHEE-CHONG LEE	

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	<u>Micro Entity Fee</u>	
☐ One month (37 CFR 1.17(a)(1))	\$220	\$88	\$44	\$ _____
☒ Two months (37 CFR 1.17(a)(2))	\$640	\$256	\$128	\$ 640.00
☐ Three months (37 CFR 1.17(a)(3))	\$1,480	\$592	\$296	\$ _____
☐ Four months (37 CFR 1.17(a)(4))	\$2,320	\$928	\$464	\$ _____
☐ Five months (37 CFR 1.17(a)(5))	\$3,160	\$1,264	\$632	\$ _____

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to
Deposit Account Number 041133.

☒ Payment made via USPTO patent electronic filing system.

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

I am the

☐ applicant.

☒ attorney or agent of record. Registration number 50530.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/James E. Cole/ 2024-06-11

Signature Date

James E. Cole 502-581-8057

Typed or printed name Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☒ * Total of 1 forms are submitted.

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Privacy Act Statement

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- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

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



UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
06/11/2024 04:12:03 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 65920808

FILING DATE 08/08/2022

CUSTOMER # 146169

FIRST NAMED
INVENTOR Doug Flynn

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Cole

Documents

TOTAL DOCUMENTS: 5

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
2024-06-11 Response 011124FOA HYP0050NA1 140461-223.pdf		8	-	83 KB
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-A.NE.pdf	(1-1)	1	Response After Final Action	51 KB
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-CLM.pdf	(2-4)	3	Claims	45 KB
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-REM.pdf	(5-8)	4	Applicant Arguments/Remarks Made in an Amendment	63 KB

EX. 1002 - 223

2024-06-11 EOT HYP0050NA1 140461- 223.pdf	2	Extension of Time	284 KB
2024-06-11 AFCP Request HYP0050NA1 140461- 223.pdf	2	After Final Consideration Program Request	245 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2024-06-11 Response 011124FOA HYP0050NA1 140461-223.pdf	A5D98812C10F137E67870BFDBAD56F29F98CE755226BD4404 ADC36199AAFDEDBB9FAF99F0115B3D778932A5321A48913CA 7DB13E1747B22C3F1934DF849E1E22
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-A.NE.pdf	9ED525B1B340BA7F7CAA55F72423FB37984B55132B2C55BD4 3108F7DDC2A186407597766EEB7387F52886358B176D68E6C2 781B982A6B0B1CC0069E850F225C2
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-CLM.pdf	E216EC365986DDA3506F0F901BFBDE69B611B917CCF79BF35 73AA46A3E4583DF9C911F1345476D9FF32ECE433F7A981B0F D59F0E9EB49F777CDC10A62D4FA69B
2024-06-11 Response 011124FOA HYP0050NA1 140461-223-REM.pdf	E330894D8B33CE4D22E76F707F2CACD94BE22A86C209BAAD 54EAA9257509A5518B87242288F19DF0AEB6862ECB240AA152 D78572B0AB6A9790F9448561E4DA35
2024-06-11 EOT HYP0050NA1 140461-223.pdf	FED0974E582E372AB802CC9265B122F5CCA17A59E50728274 0A24131535D2ADAADC37DFDE1C369E83D92C1217DBD96D0D 0F77BDDF3154FD98DA55E23BCAF96A3
2024-06-11 AFCP Request HYP0050NA1 140461-223.pdf	E080B5D3A088F6FFB05AB9E36DD4D307BC7DBF91C8F5785F 098E4FB96229CE2A0DE220D17B120C49F4A9BCD1E3CA2664 CDE6CB4642C6D8A8219100FC8363637D

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

EX. 1002 - 224

described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
06/11/2024 04:12:03 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 65920808

AUTHORIZED BY James Cole

CUSTOMER # 146169

FILING DATE 08/08/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Doug Flynn

Payment Information

PAYMENT METHOD
CARD / 7913

PAYMENT TRANSACTION ID
E20246AG12229708

PAYMENT AUTHORIZED BY
Tammy Swarens

PRE-AUTHORIZED ACCOUNT
041133

PRE-AUTHORIZED CATEGORY
37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1252	EXTENSION FOR RESPONSE WITHIN SECOND MONTH	640.00	1	640.00
TOTAL AMOUNT:				\$640.00

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

New Applications Under 35 U.S.C. 111

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

EX. 1002 - 226

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.: HYP0050NA1
	)	
Inventor: Doug FLYNN, <i>et al.</i>	)	Examiner: Chee-Chong LEE
	)	
Application No.: 17/882,762	)	Group Art Unit: 3752
	)	
Filed: August 8, 2022	)	Confirmation No.: 4482
	)	
For: Fuel Injection Throttle Body	)	Date Submitted: June 11, 2024

Mail Stop AMENDMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

**REPLY TO FINAL OFFICE ACTION UNDER 37 C.F.R. §1.116
SUBMITTED WITH AN AFTER FINAL CONSIDERATION
PILOT (AFCP) 2.0 REQUEST**

Dear Examiner:

The following amendments and remarks are submitted in response to the Office Action mailed January 11, 2024, in the above-referenced patent Application. The Applicant thanks the Examiner for the thorough review of the application.

LISTING OF THE CLAIMS begins on page 2.

REMARKS begin on page 5.

LISTING OF THE CLAIMS

A listing of the entire set of pending claims is submitted herewith per 37 CFR §1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. **(Currently Amended)** A fuel injection throttle body **for an internal combustion engine**, comprising:
 - an air intake extending through said fuel injection throttle body in a vertical orientation;
 - said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake;
 - a fuel port in said fuel injection throttle body and capable of receiving fuel from an electronic fuel injector;
 - a fuel channel in fluid communication with said fuel port to receive said fuel;
 - a plurality of orifices disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake;
 - a throttle plate disposed in said air intake and rotatable on a shaft, said throttle plate movable to vary the airflow moving through the air intake; and,
 - an electronic controller which controls said electronic fuel injector.
2. (Original) The fuel injection throttle body of Claim 1, said air intake comprising at least two air intakes.
3. (Original) The fuel injection throttle body of Claim 1, said air intake comprising four air intakes.
4. (Original) The fuel injection throttle body of Claim 1, said electronic controller disposed on a side of said fuel injection throttle body.
5. (Original) The fuel injection throttle body of Claim 1, said plurality of orifices comprising one or more sizes.

6. (Original) The fuel injection throttle body of Claim 1, further comprising a fuel ring disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.
7. (Canceled)
8. **(Currently Amended)** A fuel injection throttle body **for an internal combustion engine**, comprising:
 - a plurality of air intakes that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end;
 - each air intake of said plurality of air intakes having a fuel port disposed in said fuel injection throttle body, and capable of receiving fuel from an electronic fuel injector;
 - each said electronic fuel injector configured to be in fluid communication with a fuel supply;
 - a fuel channel disposed within each said air intake, said fuel channel receiving fuel from said electronic fuel injector;
 - a plurality of orifices disposed in an annular ring allowing said fuel to flow from said fuel channel into said air intake;
 - wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end;
 - a throttle shaft having a throttle plate thereon, said throttle plate rotatably disposed within said air intake; and,
 - an electronic control unit to control said fuel from each said electronic fuel injector.
9. (Previously Presented) The fuel injection throttle body of Claim 8, said plurality of air intakes comprising two air intakes.
10. (Previously Presented) The fuel injection throttle body of Claim 8, said plurality of air intakes comprising four air intakes.
11. (Original) The fuel injection throttle body of Claim 8, said plurality of orifices being one or more sizes.

12. (Previously Presented) The fuel injection throttle body of Claim 8 further comprising each said annular ring disposed in one said air intake of said plurality of air intakes.
13. (Original) The fuel injection throttle body of Claim 12, said fuel channel formed in said fuel injection throttle body, or said annular ring, or both.
14. (Canceled)

REMARKS

These remarks are responsive to the Office Action mailed on January 11, 2024 (“the Office Action”). The Applicant (inclusive of Applicant’s attorney) thanks the Examiner for the examination of the above-referenced Application.

Status of the Claims

At the time of the Office Action, Claims 1-6 and 8-13 were pending, with Claims 1-6 and 8-13 being rejected. Claims 1 and 8 are amended herein. Support for these amendments may be found throughout the Specification. No new matter is being submitted.

Double Patenting

The Examiner has rejected Claims 1 and 8 on the ground of non-statutory type double patenting as being unpatentable over Claims 1, 3, 8, 10, 11, and 16 of U.S. Patent No. 10,012,197. Applicant requests reconsideration. In the above referenced claims of the instant application, the claims require a plurality of orifices. The claims are non-descript regarding primary or secondary orifices. The ‘197 Patent claims require in the independent claims a primary orifice and secondary orifices. For *at least* this reason, and perhaps others, Applicant asserts that the claim differences remove the need for this double patenting rejection and the terminal disclaimer.

The Examiner has rejected Claim 1 and 5 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 10,570,866. Claim 1 of the ‘866 Patent is a method claim. Claims 1 and 8 of the application are structural claims. Applicant respectfully asserts that a double patenting rejection is not warranted for these differing claim types. Further, as noted previously, the ‘866 Patent also requires primary and second orifices whereas Applicant’s instant independent claims are not limited to differing types of orifices. Applicant therefore respectfully requests reconsideration.

The Examiner has rejected Claim 1 and 8 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 11,409,894. Applicant is agreeable to a terminal disclaimer on this ‘894 Patent.

An electronic terminal disclaimer directed to the ‘894 patents is submitted herewith, thereby rendering this rejection moot. Applicant’s attorney notes that the terminal disclaimer is

being submitted solely in an effort to expedite prosecution. Submission of the terminal disclaimer does not constitute acquiescence to the propriety of the Office Action's double patenting rejections.

35 U.S.C. §103 Rejections

The Examiner has rejected Claims 1-6 and 8-13 under 35 U.S.C. §103 as being unpatentable over *Graffman* (US Patent 3,800,769) in view of *Kosuge et al* (US Patent 4,589,389). Applicant has amended the claims rendering this ground of rejection moot.

When determining whether a claim is obvious under 35 U.S.C §103, an examiner must make "a searching comparison of the claimed invention — ***including all its limitations*** — with the teaching of the prior art." *In re Ochiai*, 71 F.3d 1565, 1572 (Fed. Cir. 1995) (emphasis added). Thus, "obviousness requires a suggestion of all limitations in a claim." *CFMT, Inc. v. Yieldup Intern. Corp.*, 349 F.3d 1333, 1342 (Fed. Cir. 2003) (citing *In re Royka*, 490 F.2d 981, 985 (CCPA 1974) (holding that to establish prima facie obviousness of a claimed invention, all the claim features must be taught or suggested by the prior art)). The Examiner must then provide an explicit analysis of the motivation for combining the references. *See KSR Int'l Co. v. Teleflex Inc.*, 127 S. Ct. 1727, 1741 (2007) ("a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art ...").

Applicant notes that in the previous discussions with the Examiner, that the distinction between carburetors and electronic fuel injection (EFI) has been made. As a reminder, Applicant's specification sets forth the desire to overcome problems with the prior art as related to prior art carburetors. The Examiner seems to disregard this portion of Applicant's stated goals. Applicant notes that the primary reference ('769) is a carburetor patent. Applicant teaches away from the problems of a carburetor.

Nonetheless, Applicant has amended the independent claims as with at least one previous patent in this family. Applicant makes clear that the instant claims are directed to use with an internal combustion engine. Applicant discussed this amendment in a brief call with the Examiner on June 10, 2024. The Examiner reminded the Applicant that this amendment resulted in allowance in previous prosecution of a family patent.

Applicant also notes that the '389 Patent does not aid in this issue. The '769 patent remains detrimental to the rejection. The '769 patent teaches a carburetor and that is contrary to the stated goal of Applicant's teaching.

Moreover, the '389 Patent discusses the concepts of running rich or lean – those are issues typical of carburetors. Given the age of the patent, it is unclear if this teaching relates to Applicant's type of electronic fuel injection or the pulses related to distributors, such as used with carburetors.

Additionally, there is no need for the claimed electronic controller (or electronic control unit in Claim 7) where a carburetor is provided.

For at least the reasons set forth herein, the Applicant respectfully submits that the cited references fail to render obvious independent Claims 1 and 7, and any claim depending therefrom. Thus, the Applicant respectfully requests that this rejection be withdrawn.

General Comments on Dependent Claims

Since each of the dependent claims depends from a base claim that is believed to be in condition for allowance, Applicant believes that it is unnecessary at this time to argue the allowability of each of the dependent claims individually. Applicant does not however, necessarily concur with the interpretation of any dependent claim, as set forth in the Office Action nor does Applicant concur that the basis for the rejection of any dependent claim is proper. Therefore, Applicant reserves the right to further address the patentability of the dependent claims in the future, if deemed necessary.

Closing Remarks

In responding to this Office Action, Applicant has presented only those arguments or made only those amendments that Applicant believes are warranted. To the extent that Applicant has not, for example, responded to every factual or legal issue raised by the Office, and Applicant has not presented every argument supporting patentability that may be relevant, the decision not to address a factual or legal issue raised or to present a certain argument in support shall not be construed as Applicant's agreement with the Office on such issue or effect a waiver of Applicant's right to address such issues or make such arguments in the future.

CONCLUSION

The Applicant respectfully submits that the application is in condition for allowance, and reconsideration and notice of allowance are respectfully requested. If the Examiner believes that prosecution might be advanced by discussing the application with the Applicant's counsel, in person or over the telephone, the Applicant's counsel would welcome the opportunity to do so.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is an additional fee occasioned by this response, please charge any deficiency to Deposit Account No. 041133.

Respectfully submitted,

Date: June 11, 2024

DINSMORE & SHOHL LLP

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CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0		
Practitioner Docket No.: HYP0050NA1	Application No.: 17/882,762	Filing Date: 2022-08-08
First Named Inventor: Doug Flynn	Title: Fuel Injection Throttle Body	
<p>APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.</p> <ol style="list-style-type: none"> 1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (<i>e.g.</i>, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c). 2. The above-identified application contains an outstanding final rejection. 3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect. 4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection. 5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response. 6. This certification and request is being filed electronically using the USPTO's patent electronic filing system. 7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.] 8. By filing this certification and request, applicant acknowledges the following: <ul style="list-style-type: none"> • Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0. • The examiner will verify that the AFCP 2.0 submission is compliant, <i>i.e.</i>, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions: <ul style="list-style-type: none"> ○ The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, <i>e.g.</i>, by mailing an advisory action. ○ If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview. <ul style="list-style-type: none"> ▪ The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate. ▪ If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116. 		
Signature /James E. Cole/	Date 2024-06-11	Practitioner Registration No. 50530
Name (Print/Typed) James E. Cole	Telephone Number 502-581-8057	
<p>Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.</p>		
☒ * Total of <u>1</u> forms are submitted.		

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.



UNITED STATES
PATENT AND TRADEMARK OFFICE

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Alexandria, VA 22313 - 1450
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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #
17882762

FILING DATE
08/08/2022

FIRST NAMED INVENTOR
Doug Flynn

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body



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



This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
Holley Performance Products, Inc.	100%
Total	100%

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

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

instant application and is binding upon the grantee, its successors or assigns.

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

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

Patent #

11409894

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

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

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



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

Applicant claims the following entity status:

Regular Undiscounted

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

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

Signature	Name	Registration #
/James E. Cole/	James Cole	50530

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



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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
06/11/2024 04:08:18 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY James Cole

PATENT CENTER # 65920991

AUTHORIZED BY -

CUSTOMER # 146169

FILING DATE 08/08/2022

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Doug Flynn

Payment Information

PAYMENT METHOD
CARD / 7913

PAYMENT TRANSACTION ID
E20246AG09339857

PAYMENT AUTHORIZED BY
James Cole

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$170.00

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

New Applications Under 35 U.S.C. 111

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

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

EX. 1002 - 241

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

New International Application Filed with the USPTO as a Receiving Office

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



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APPROVAL LETTER

APPLICATION #
17/882,762

FILING DATE
08/08/2022

APPLICANT/PATENT UNDER REEXAMINATION
Doug Flynn

Title of Invention

Fuel Injection Throttle Body

Electronic terminal disclaimer filed on 06/11/2024

☒ Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
06/11/2024 04:08:18 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY James Cole

PATENT CENTER # 65920991

FILING DATE 08/08/2022

CUSTOMER # 146169

FIRST NAMED
INVENTOR Doug Flynn

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	48 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	769F92ADAAD077612C0075C61A316674EA88975579776162F9 03E22E3095949ED97FD2AE4B6EE1A2FE202408A086691A7921

C133D92AFB683DEF5DAE9DB2ED74

grantLetter.pdf

E400754C5058A6E27962CEBA189804389081118E2E3DB5C8D1
D27C90720C1F6E4F182CB73D91A145AC6ECDEB6F07B98B1C
A4D6360917C9CA0DD9A1D1E1FF183C

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 17/882,762		Filing Date 08/08/2022		☐ To be Mailed		
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	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 \$100 =						
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*	x \$480 =						
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))										
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL						
APPLICATION AS AMENDED - PART II										
		(Column 1)		(Column 2)	(Column 3)					
AMENDMENT	06/11/2024	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))	* 12	Minus	** 20	= 0	x \$100 =		0		
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	x \$480 =		0		
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE		0		
		(Column 1)		(Column 2)	(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)		
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =				
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =				
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									
						TOTAL ADD'L FEE				
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE				
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/LASHAWN R MORGAN/				
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".										
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.										

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	01/11/2024		
Dinsmore & Shohl LLP (Holley)			EXAMINER	
255 E 5th St #1900			LEE, CHEE-CHONG	
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			01/11/2024	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Double Patenting

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

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

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MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

www.uspto.gov/patents/process/file/efs/guidance/eTD-info-Lisp.

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1, 3, 8, 10, 11 and 16 of U.S. Patent No. 10,012,197. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,012,197
1 and 8	1, 3, 10, 11 and 14

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 10,570,866. Although the claims at

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issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,570,866
1 and 5	1

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,409,894. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 11,409,894
1 and 5	1

Claim Rejections - 35 USC § 103

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 (i.e., changing from AIA to pre-AIA) 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.

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

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

The factual inquiries for establishing a background for determining obviousness under 35 U.S.C. 103 are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-6 and 8-13 are rejected under 35 U.S.C. 103 as being unpatentable over Graffman (US 3,800,769) in view of Kosuge et al. (US 4,589,389. Kosuge hereinafter).

With respect to claim 1, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: an air intake (top of 41. Fig. 3) extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port (See Fig. 3 with additional annotations below) in said fuel injection throttle body and capable of receiving fuel from a fuel injector (43); a fuel channel (44) in fluid communication with said fuel port to receive said fuel; a plurality of orifices (46) disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake; a throttle

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plate (plate of 42) disposed in said air intake and rotatable on a shaft (shaft of 42), said throttle plate movable to vary the airflow moving through the air intake; and, an electronic controller (electric generator of the car engine) which controls said fuel injector.

Graffman fails to disclose wherein the fuel injector is an electronic fuel injector.

However, Kosuge teaches a fuel injection throttle body (2. Fig. 1), comprising: an air intake (AIR) extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port (of 4) in said fuel injection throttle body and capable of receiving fuel from an electronic fuel injector (4); a fuel channel (5) in fluid communication with said fuel port to receive said fuel, a throttle plate (6) disposed in said air intake and rotatable on a shaft (shaft of 6), said throttle plate movable to vary the airflow moving through the air intake; and, an electronic controller (control apparatus for the injection system. Fig. 1) which controls said fuel injector. Kosuge injection system is the Throttle Body Fuel Injection (TBI) system same as the Applicant system (Paragraphs [0002] and [0006]).

Therefore, it would have been obvious to one having ordinary skill in the art before the effective filing date of the claimed invention to combine the teaching of an electronic fuel injector, as taught by Kosuge, to Graffman's fuel injector, in order to provide a more responsive and accurate fuel control system (Col. 1, lines 42-51). Furthermore, it would have been obvious to one having ordinary skill in the art before the effective filing date of the claimed invention to use an electronic fuel injector with a more responsive and accurate fuel control system, since it has been held that broadly

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providing a mechanical or automatic means to replace manual activity, which has accomplished the same result, involves only routine skill in the art. In re Venner, 120 USPQ 192.

With respect to claim 2, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said air intake comprising at least two air intakes (holes near air cleaner 54).

With respect to claim 3, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said air intake comprising four air intakes (holes by air cleaner 54).

With respect to claim 4, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said electronic controller disposed (located) on a (outside) side of said fuel injection throttle body.

With respect to claim 5, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said plurality of orifices comprising one or more sizes (Fig. 3).

With respect to claim 6, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses the fuel injection throttle body further comprising a fuel ring (ring of 43) disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

With respect to claim 8, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: a plurality of air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3) that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to

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said lower end; (collectively) each air intake of said plurality of air intakes having a fuel port (See Fig. 3 with additional annotations below) disposed in said fuel injection throttle body, and capable of receiving fuel from a fuel injector (43); (collectively) each said fuel injector configured to be in fluid communication with a fuel supply (1. Fig. 2); a fuel channel (44) disposed within each said air intake, said fuel channel receiving fuel from said fuel injector; a plurality of orifices (46) disposed in an annular ring (ring of 43) allowing said fuel to flow from said fuel channel into said air intake; wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end, a throttle shaft (shaft of 42) having a throttle plate (plate of 42) thereon, said throttle plate rotatably disposed within said air intake, and, an electronic control unit (electric generator of the car engine) to control said fuel from each said fuel injector.

Graffman fails to disclose wherein the fuel injector is an electronic fuel injector.

However, Kosuge teaches a fuel injection throttle body (2. Fig. 1), comprising: an air intake (AIR) extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port (of 4) in said fuel injection throttle body and capable of receiving fuel from an electronic fuel injector (4); a fuel channel (5) in fluid communication with said fuel port to receive said fuel, a throttle plate (6) disposed in said air intake and rotatable on a shaft (shaft of 6), said throttle plate movable to vary the airflow moving through the air intake; and, an electronic controller (control apparatus for the injection system. Fig. 1) which controls said fuel injector. Kosuge injection

Art Unit: 3752

system is the Throttle Body Fuel Injection (TBI) system same as the Applicant system (Paragraphs [0002] and [0006]).

Therefore, it would have been obvious to one having ordinary skill in the art before the effective filing date of the claimed invention to combine the teaching of an electronic fuel injector, as taught by Kosuge, to Graffman's fuel injector, in order to provide a more responsive and accurate fuel control system (Col. 1, lines 42-51). Furthermore, it would have been obvious to one having ordinary skill in the art before the effective filing date of the claimed invention to use an electronic fuel injector with a more responsive and accurate fuel control system, since it has been held that broadly providing a mechanical or automatic means to replace manual activity, which has accomplished the same result, involves only routine skill in the art. In re Venner, 120 USPQ 192.

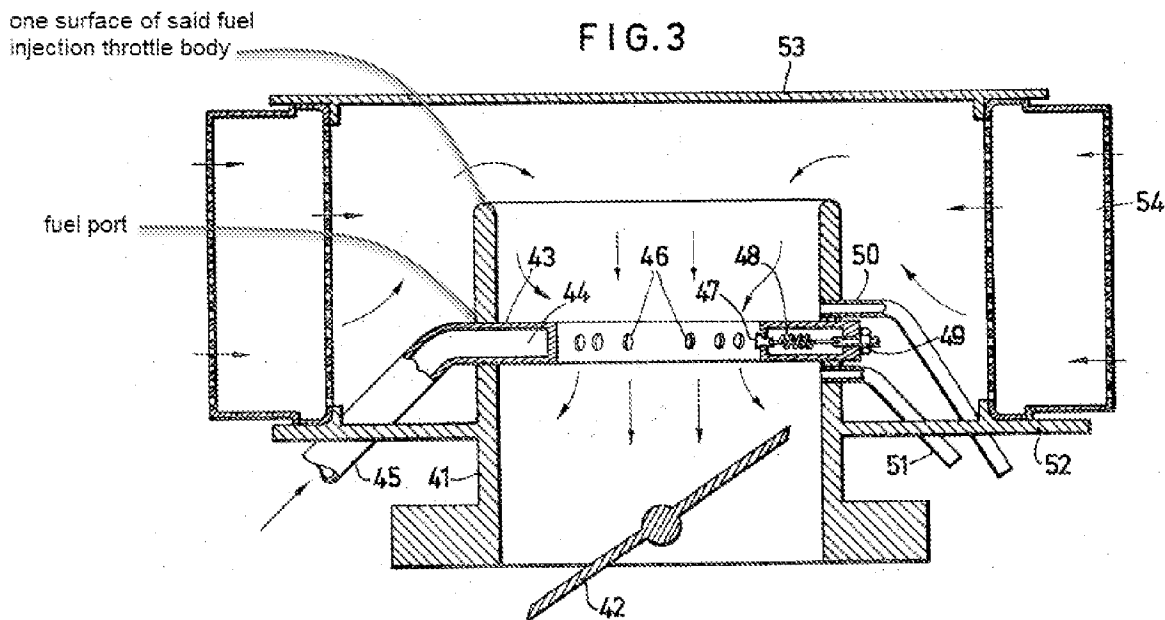
With respect to claim 9, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said plurality of air intakes comprising two air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

With respect to claim 10, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said plurality of air intakes comprising four air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

With respect to claim 11, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said plurality of orifices being one or more sizes (Fig. 3).

With respect to claim 12, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses the fuel injection throttle body further comprising each said fuel ring (ring of 43) disposed in one said air intake of said plurality of air intakes.

With respect to claim 13, Graffman's fuel injection throttle body modified by Kosuge's electronic fuel injector, Graffman further discloses said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.



Response to Arguments

Applicant's arguments with respect to claim(s) 1-6 and 8-13 have been considered but are moot because the new ground of rejection does not rely on any reference applied in the prior rejection of record for any teaching or matter specifically challenged in the argument.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). 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 date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHEE-CHONG LEE whose telephone number is (571)270-1916. The examiner can normally be reached on Monday-Friday 8am -5pm.

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

Art Unit: 3752

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur O. Hall can be reached on (571)270-1814. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/CHEE-CHONG LEE/
Primary Examiner, Art Unit 3752
January 7, 2024

Notice of References Cited	Application/Control No. 17/882,762		Applicant(s)/Patent Under Reexamination Flynn et al.	
	Examiner CHEE-CHONG LEE		Art Unit 3752	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-4589389-A	1986-05-20	Kosuge; Tokuo	F02D41/10	123/326
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

CPC - Searched*		
Symbol	Date	Examiner
B05B1/14	05/05/2023	C.L.
F02M61/18,7/06,35/10216,61/1826,35/1216	05/05/2023	C.L.
F02D9/109	05/05/2023	C.L.
Updated search.	09/12/2023	C.L.
Updated search.	01/06/2024	C.L.

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
239	5	05/05/2023	C.L.
	Updated search.	09/12/2023	C.L.
	Updated search.	01/06/2024	C.L.

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

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<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

Search Notes		
Search Notes	Date	Examiner
Conducted inventor name search in EAST and PALM.	05/05/2023	C.L.
Conducted a search in the EAST database. See attached search history.	05/05/2023	C.L.
continued search from application no. 14156813, 15986571 and 16778762	05/05/2023	C.L.
Conducted a search in the PE2E search database. See attached search history.	09/12/2023	C.L.
Conducted a search in the PE2E search database. See attached search history.	01/06/2024	C.L.

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

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PE2E SEARCH - Search History (Prior Art)

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L529	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L557	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L558	10145	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L573	5074	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L576	3804904	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L580	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L582	90	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L583	625023	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L584	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L591	850226	annular near7 ring	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

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L605	11758	carburat\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L613	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L614	65	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L615	3045	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L616	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L617	554	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L618	132720	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L619	307	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L620	267	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L621	270	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L622	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L623	501	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L624	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L625	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L626	504	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L627	1045	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L628	195	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L629	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L630	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L631	45	"4343148"	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L632	1562	(fire and extinguisher and container).clm.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM
L633	172	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L634	4	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L635	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L636	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L637	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L638	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L639	28	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L640	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L641	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L642	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L643	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L644	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L645	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L646	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L647	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L648	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L649	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L650	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L651	3924755	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L652	37742	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L653	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L654	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L655	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L656	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L657	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L658	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L659	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L660	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L661	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L662	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L663	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L664	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L665	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L666	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L667	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L668	5	4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US- 5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID. ("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L669	218	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L670	2146	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L671	33998	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L672	6953	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L673	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L674	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L675	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L676	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L677	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L678	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L679	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L680	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L681	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L682	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L683	7219	F02M61/18.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L684	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L685	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L686	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L687	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L688	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L689	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L690	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L691	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L692	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L693	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L694	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L695	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L696	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L697	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L698	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L699	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L700	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L701	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L702	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L703	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L704	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L705	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L706	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2023/09/12 03:57 PM
L707	18	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L708	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L709	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM

L710	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L711	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L712	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L713	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L714	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L715	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L716	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L717	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L718	14780	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L719	30027194	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L720	14780	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L721	14780	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L722	7192	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L723	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2023/09/12 03:57 PM

L724	23544	("169").CLAS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L725	13371	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L726	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L727	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L728	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L729	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L730	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L731	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L732	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L733	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L734	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L735	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L736	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L737	1164	F02M61/1826.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L738	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L739	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L740	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L741	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L742	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L743	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L744	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L745	5	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L746	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2023/09/12 03:57 PM

		3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L747	62430	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L748	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L749	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L750	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L751	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L752	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L753	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L754	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L755	5023	throttle and plate and shaft and fuel and annular and ring	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L756	1697	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L757	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L758	420814	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L759	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L760	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L761	12459	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L762	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L763	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L764	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L765	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L766	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L767	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L768	7	FLYNN-DOUG.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L769	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L770	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L771	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L772	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L773	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L774	669815	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L775	5	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L776	35927	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L777	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L778	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L779	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L780	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L781	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L782	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

		US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L783	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L784	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L785	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L786	19	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L787	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L788	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L789	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM

L790	25	("3564580").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L791	9	("2428377").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L792	28	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L793	410978	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L794	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L795	10145	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L796	150193	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L797	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L798	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L799	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L800	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L801	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L802	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L803	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L804	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L805	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L806	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L807	1598016	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L808	647253	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L809	143543	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L810	5074	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L811	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L812	119	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L813	3804904	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L814	1020	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L815	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L816	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L817	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L818	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L819	90	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L820	625023	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L821	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L822	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L823	90	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L824	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L825	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L826	1447	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L827	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L828	850226	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L829	55	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L830	11758	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L831	55	L64 not L65	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L832	142048	"fuel injector"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM
L833	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L834	161726	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L835	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L836	77	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L837	451	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L838	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L839	7843	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L840	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L841	502	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L842	11758	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L843	500	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L844	29	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L845	18	"6460553"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L846	4	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L847	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L848	32693	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L849	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L850	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L851	65	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L852	3045	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L853	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L854	554	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L855	132720	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L856	0	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L857	267	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L858	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L859	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L860	501	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L861	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L862	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L863	504	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L864	1045	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L865	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L866	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L867	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L868	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L869	1562	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L870	172	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L871	4	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L872	2	(13/671196).APP.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L873	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L874	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L875	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L876	28	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L877	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L878	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L879	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L880	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L881	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L882	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L883	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L884	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L885	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L886	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L887	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L888	3924755	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L889	37742	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L890	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L891	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L892	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L893	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L894	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L895	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L896	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L897	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L898	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L899	1602	(239/562).CCLS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L900	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L901	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L902	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L903	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L904	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US- 4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

		5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID.					
L905	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L906	218	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L907	2146	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L908	33998	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L909	6953	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2023/09/12 03:57 PM

L910	1164	F02M61/1826.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L911	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L912	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L913	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L914	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L915	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L916	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L917	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L918	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L919	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L920	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L921	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L922	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L923	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L924	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L925	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L926	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L927	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L928	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L929	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L930	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L931	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L932	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L933	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L934	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L935	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L936	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L937	1164	F02M61/1826.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM 2023/09/12 03:57 PM
L938	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L939	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L940	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L941	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L942	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L943	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2023/09/12 03:57 PM
L944	18	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
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		4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L984	62430	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L995	420814	b05b\$/\$.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L996	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L1002	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	HYP0050NA1	4482
146169	7590	12/22/2023	EXAMINER	
Dinsmore & Shohl LLP (Holley)			LEE, CHEE-CHONG	
255 E 5th St #1900				
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			12/22/2023	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 17/882,762	Applicant(s) Flynn et al.		
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHEE-CHONG LEE	Primary Examiner	Telephonic
JamesCole	Attorney of Record	

Date of Interview: 18 December 2023

Issues Discussed:

Non-statutory Double Patenting

The Applicant and the Examiner discussed the relationship between the 102 rejection and the Double Patenting rejections in the previous Office Action. The Applicant suggested to abate the Double Patenting rejections until the pending claims are in allowable conditions.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/882,762

RECEIPT DATE / TIME
12/18/2023 02:04:27 PM Z ET

ATTORNEY DOCKET #
HYP0050NA1

Title of Invention

Fuel Injection Throttle Body

Application Information

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

PATENT # -

CONFIRMATION # 4482

FILED BY Tammy Swarens

PATENT CENTER # 63650875

FILING DATE 08/08/2022

CUSTOMER # 146169

FIRST NAMED
INVENTOR Doug Flynn

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY James Cole

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2023-12-18 Response 091823NFOA HYP0050NA1 140461-223.pdf	8	-	79 KB
2023-12-18 Response (1-1) 091823NFOA HYP0050NA1 140461-223-A....pdf	1	Amendment/Request for Reconsideration-After Non- Final Rejection	43 KB
2023-12-18 Response (2-4) 091823NFOA HYP0050NA1 140461-223-CLM.pdf	3	Claims	44 KB
2023-12-18 Response (5-8) 091823NFOA HYP0050NA1 140461-223-REM.pdf	4	Applicant Arguments/Remarks Made in an Amendment	61 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2023-12-18 Response 091823NFOA HYP0050NA1 140461-223.pdf	EBDB97E20E53AF59D39E7A3B59398C8E553B9B0D0F302F427 89163E97CAA171524B909852D5744840EDBF2F4A2F0439E729 46ED986568979C9DE715DCA151239
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2023-12-18 Response 091823NFOA HYP0050NA1 140461-223-REM.pdf	0351960619683C9CD7B87E5901CF6DD761B6632C686EAE1198 8BC5A4C947FF2C92EAB31E73E608B8CD6462B41FDD9D08AB 6E8B0CCEF804591223BCA4D921E458

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.: HYP0050NA1
	)	
Inventor: Doug FLYNN, <i>et al.</i>	)	Examiner: Chee-Chong LEE
	)	
Application No.: 17/882,762	)	Group Art Unit: 3752
	)	
Filed: August 8, 2022	)	Confirmation No.: 4482
	)	
For: Fuel Injection Throttle Body	)	Date Submitted: December 18, 2023

Mail Stop AMENDMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

REPLY TO NON-FINAL OFFICE ACTION UNDER 37 C.F.R. §1.111

Dear Examiner:

The following amendments and remarks are submitted in response to the Office Action mailed September 18, 2023, in the above-referenced patent Application. The Applicant thanks the Examiner for the thorough review of the application.

LISTING OF THE CLAIMS begins on page 2; and,

REMARKS begin on page 5.

LISTING OF THE CLAIMS

A listing of the entire set of pending claims is submitted herewith per 37 CFR §1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. **(Currently Amended)** A fuel injection throttle body, comprising:
 - an air intake extending through said fuel injection throttle body in a vertical orientation;
 - said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake;
 - a fuel port in said fuel injection throttle body and capable of receiving fuel from **an electronic** fuel injector;
 - a fuel channel in fluid communication with said fuel port to receive said fuel;
 - a plurality of orifices disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake;
 - a throttle plate disposed in said air intake and rotatable on a shaft, said throttle plate movable to vary the airflow moving through the air intake; and,
 - an electronic controller which controls said **electronic** fuel injector.
2. (Original) The fuel injection throttle body of Claim 1, said air intake comprising at least two air intakes.
3. (Original) The fuel injection throttle body of Claim 1, said air intake comprising four air intakes.
4. (Original) The fuel injection throttle body of Claim 1, said electronic controller disposed on a side of said fuel injection throttle body.
5. (Original) The fuel injection throttle body of Claim 1, said plurality of orifices comprising one or more sizes.
6. (Original) The fuel injection throttle body of Claim 1, further comprising a fuel ring disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

7. **(Canceled)**
8. **(Currently Amended)** A fuel injection throttle body, comprising:
 - a plurality of air intakes that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end;
 - each air intake of said plurality of air intakes having a fuel port disposed in said fuel injection throttle body, and capable of receiving fuel from an electronic fuel injector;
 - each said electronic fuel injector configured to be in fluid communication with a fuel supply;
 - a fuel channel disposed within each said air intake, said fuel channel receiving fuel from said electronic fuel injector;
 - a plurality of orifices disposed in an annular ring allowing said fuel to flow from said fuel channel into said air intake;
 - wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end;
 - a throttle shaft having a throttle plate thereon, said throttle plate rotatably disposed within said air intake; and,
 - an electronic control unit to control said fuel from each said electronic fuel injector.
9. **(Currently Amended)** The fuel injection throttle body of Claim 8, said plurality of air intakes comprising [[2]]two air intakes.
10. **(Currently Amended)** The fuel injection throttle body of Claim 8, said plurality of air intakes comprising [[4]]four air intakes.
11. (Original) The fuel injection throttle body of Claim 8, said plurality of orifices being one or more sizes.
12. **(Currently Amended)** The fuel injection throttle body of Claim 8 further comprising each [[an]]said annular ring disposed in [[each]]one said air intake of said plurality of air intakes.

13. (Original) The fuel injection throttle body of Claim 12, said fuel channel formed in said fuel injection throttle body, or said annular ring, or both.
14. **(Canceled)**

REMARKS

These remarks are responsive to the Office Action mailed on September 18, 2023 (“the Office Action”). The Applicant (inclusive of Applicant’s attorney) thanks the Examiner for the examination of the above-referenced Application.

Status of the Claims

At the time of the Office Action, Claims 1-14 were pending, with Claims 1-14 being rejected. Claims 1, 8 – 10, and 12 are amended herein. Support for these amendments may be found throughout the Specification. No new matter is being submitted. Claims 7 and 14 are hereby canceled.

Claim Objections

Claims 9 and 10 currently stand objected to for an alleged informality. Appropriate amendments are made herein. The Applicant respectfully requests that this objection be withdrawn.

Double Patenting

The Examiner has rejected Claims 1 and 8 on the ground of non-statutory type double patenting as being unpatentable over Claims 1, 3, 10, 11, and 14 of U.S. Patent No. 10,012,197. The Examiner has rejected Claims 1 and 5 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 10,570,866. The Examiner has rejected Claims 1 and 5 on the ground of non-statutory type double patenting as being unpatentable over Claim 1 of U.S. Patent 11,778,341.

Applicant called the Examiner on Dec. 18, 2023 and requested that this rejection be held in abeyance until a final form of the pending claims is determined, at which time the propriety of the Terminal Disclaimer may be better assessed. The Examiner was agreeable to this request.

35 U.S.C. §112 Rejections

The Examiner has rejected Claims 7, 12, and 14 under 35 U.S.C. §112, second paragraph, for allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter that the Applicant regards as the invention. Appropriate amendments are made herein to

Claim 12 and Claims 7 and 14 are canceled. The Applicant respectfully requests that this rejection be withdrawn.

35 U.S.C. §102 Rejections

The Examiner has rejected Claims 1-6, 8, and 9 under 35 U.S.C. §102(a)(1) as allegedly being anticipated by *Graffman* (U.S. Patent No. 3,800,769).

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” M.P.E.P. § 2131. “Every element of the claimed invention must be literally present, arranged as in the claim.” *Richardson v. Suzuki Motor Co. Ltd.*, 868 F.2d 1226, 1236 (Fed. Cir. 1989). The claims must not be treated as “mere catalogs of separate parts, in disregard of the part-to-part relationships set forth in the claims and that give the claims their meaning.” *Lindemann Maschinenfabrik GMBH v. American Hoist and Derrick Company et al.*, 730 F.2d 1452, 1459 (Fed. Cir. 1984). As a result, a reference that coincidentally lists features of a claim without describing the claimed arrangement, relationship, and organization of such features cannot anticipate.

Graffman teaches a low profile carburetor, of the type generally, that Applicant discusses in the background of the application (see last sentence of [0003]). The *Graffman* device does not comprise a fuel injector. The claims 1 and 8 are not anticipated for this reason.

Nonetheless, Applicant further distinguishes the prior art to further clarify that the fuel injector is an electronic fuel injector. The prior art does not provide an electronic fuel injector because it is a carburetor. While *Graffman* uses the term “inject” it seems to be describing function, not a part. *Graffman* states, “Fuel is fed to this nozzle in pulses and the valve in the nozzle opens in response to the fuel pressure to inject fuel in the throat.” (Col. 1, ll. 9-11). Thus *Graffman* teaches a low profile mechanical carburetor using pressure to move fuel and mix with air. In light of the amendment, it is also clear that *Graffman* fails to teach an electronic fuel injector.

Still further, Claims 1 and 6 require an electronic controller, and electronic control unit, respectively, to control the electronic fuel injectors. *Graffman* fails to teach any electronic controller or control unit. Again, this is not taught by *Graffman* because *Graffman* also does not

comprise electronic fuel injectors. As previously noted, *Graffman* merely relies on pressure differential to provide fuel, as is known in numerous carburetor types.

For at least the reasons set forth herein, the Applicant respectfully submits that the cited reference fails to anticipate independent Claims 1 and 8, and any claim depending therefrom. Thus, the Applicant respectfully requests that this rejection be withdrawn.

General Comments on Dependent Claims

Since each of the dependent claims depends from a base claim that is believed to be in condition for allowance, Applicant believes that it is unnecessary at this time to argue the allowability of each of the dependent claims individually. Applicant does not however, necessarily concur with the interpretation of any dependent claim, as set forth in the Office Action nor does Applicant concur that the basis for the rejection of any dependent claim is proper. Therefore, Applicant reserves the right to further address the patentability of the dependent claims in the future, if deemed necessary.

Closing Remarks

In responding to this Office Action, Applicant has presented only those arguments or made only those amendments that Applicant believes are warranted. To the extent that Applicant has not, for example, responded to every factual or legal issue raised by the Office, and Applicant has not presented every argument supporting patentability that may be relevant, the decision not to address a factual or legal issue raised or to present a certain argument in support shall not be construed as Applicant's agreement with the Office on such issue or effect a waiver of Applicant's right to address such issues or make such arguments in the future.

CONCLUSION

The Applicant respectfully submits that the application is in condition for allowance, and reconsideration and notice of allowance are respectfully requested. If the Examiner believes that prosecution might be advanced by discussing the application with the Applicant's counsel, in person or over the telephone, the Applicant's counsel would welcome the opportunity to do so.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is an additional fee occasioned by this response, please charge any deficiency to Deposit Account No. 041133.

Respectfully submitted,

DINSMORE & SHOHL LLP

Date: December 18, 2023

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/882,762	Filing Date 08/08/2022	☐ To be Mailed
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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 \$100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x \$480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)	
AMENDMENT	12/18/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			
	Total (37 CFR 1.16(i))	* 12	Minus	** 20	= 0	x \$100 =	0	
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	x \$480 =	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		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA			
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =		
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =		
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
						TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						HSLIE		
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/TRACIE V HARGROVE/		
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".								
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.								

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	ZU569-22235	4482
146169	7590	09/18/2023		
Dinsmore & Shohl LLP (Holley)			EXAMINER	
255 E 5th St #1900			LEE, CHEE-CHONG	
Cincinnati, OH 45202				
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			09/18/2023	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Reopen prosecution

The Applicant informed the Examiner, via a telephone call on September 11, 2023, that there is a typo on one of the Double Patenting rejections. Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,409,894, instead of U.S. Patent No. 11,778,341. See correction below.

Claim Objections

Claim 9 is objected to because of the following informalities: "2 air intakes" in line 1 should read --two air intakes.--

Claim 10 is objected to because of the following informalities: "4 air intakes" in line 1 should read --four air intakes.-- Appropriate correction is required.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent

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and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets

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all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to

www.uspto.gov/patents/process/file/efs/guidance/eTD-info-l.jsp.

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1, 3, 8, 10, 11 and 16 of U.S. Patent No. 10,012,197. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,012,197
1 and 8	1, 3, 10, 11 and 14

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 10,570,866. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,570,866
1 and 5	1

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,409,894. Although the claims at

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issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 11,409,894
1 and 5	1

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7, 12 and 14 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

The term “smooth” in claim 7 is a relative term which renders the claim indefinite. The term “smooth” is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. The degree of smoothness to meet the claim limitation is not known. Same rejection applies to claim 14.

In claim 12, line 1, the recitation “an annular ring” appears to be a double inclusion of the “annular ring” recited in line 10 of claim 8.

Claim Rejections - 35 USC § 102

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.

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

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1-6, 8 and 9 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Graffman (US 3,800,769).

With respect to claim 1, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: an air intake (top of 41. Fig. 3) extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port (See Fig. 3 with additional annotations below) in said fuel injection throttle body and capable of receiving fuel from a fuel injector (43); a fuel channel (44) in fluid communication with said fuel port to receive said fuel; a plurality of orifices (46) disposed annularly about said air

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intake allowing said fuel to pass from said fuel channel into said air intake; a throttle plate (plate of 42) disposed in said air intake and rotatable on a shaft (shaft of 42), said throttle plate movable to vary the airflow moving through the air intake; and, an electronic controller (electric generator of the car engine) which controls said fuel injector.

With respect to claim 2, Graffman discloses said air intake comprising at least two air intakes (holes near air cleaner 54).

With respect to claim 3, Graffman discloses said air intake comprising four air intakes (holes by air cleaner 54).

With respect to claim 4, Graffman discloses said electronic controller disposed (located) on a (outside) side of said fuel injection throttle body.

With respect to claim 5, Graffman discloses said plurality of orifices comprising one or more sizes (Fig. 3).

With respect to claim 6, Graffman discloses the fuel injection throttle body further comprising a fuel ring (ring of 43) disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

With respect to claim 7, Graffman discloses said air intake and said fuel ring forming a smooth continuous surface (Fig. 3).

With respect to claim 8, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: a plurality of air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3) that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end; (collectively) each air intake of said plurality of air intakes having a fuel

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port (See Fig. 3 with additional annotations below) disposed in said fuel injection throttle body, and capable of receiving fuel from a fuel injector (43); (collectively) each said fuel injector configured to be in fluid communication with a fuel supply (1. Fig. 2); a fuel channel (44) disposed within each said air intake, said fuel channel receiving fuel from said fuel injector; a plurality of orifices (46) disposed in an annular ring (ring of 43) allowing said fuel to flow from said fuel channel into said air intake; wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end, a throttle shaft (shaft of 42) having a throttle plate (plate of 42) thereon, said throttle plate rotatably disposed within said air intake, and, an electronic control unit (electric generator of the car engine) to control said fuel from each said fuel injector.

With respect to claim 9, Graffman discloses said plurality of air intakes comprising 2 air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

With respect to claim 10, Graffman discloses said plurality of air intakes comprising 4 air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

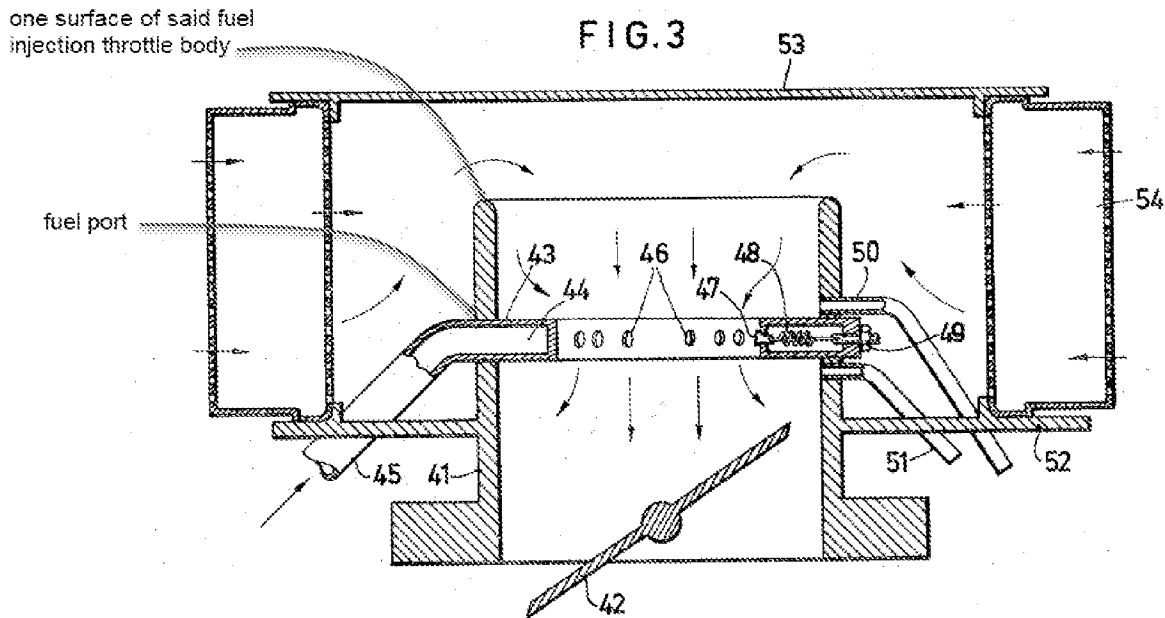
With respect to claim 11, Graffman discloses said plurality of orifices being one or more sizes (Fig. 3).

With respect to claim 12, Graffman discloses the fuel injection throttle body further comprising a fuel ring (ring of 43) disposed in each said air intake.

With respect to claim 13, Graffman discloses said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

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With respect to claim 14, Graffman discloses said air intake having a smooth continuous surface to aid air flow (Fig. 3).



Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHEE-CHONG LEE whose telephone number is (571)270-1916. The examiner can normally be reached on Monday-Friday 8am -5pm.

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

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur O. Hall can be reached on (571)270-1814. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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.

/CHEE-CHONG LEE/
Primary Examiner, Art Unit 3752
September 12, 2023

<i>Applicant-Initiated Interview Summary</i>	Application No. 17/882,762	Applicant(s) Flynn et al.		
	Examiner CHEE-CHONG LEE	Art Unit 3752	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
CHEE-CHONG LEE	Primary Examiner	Telephonic
James Cole	Attorney of Record	

Date of Interview: 11 September 2023

Issues Discussed:

Non-statutory Double Patenting

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,409,894, instead of U.S. Patent No. 11,778,341. See attached Corrected Office Action.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
<p>Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04</p> <p>Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing</p>	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Search Notes 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

CPC - Searched*		
Symbol	Date	Examiner
B05B1/14	05/05/2023	C.L.
F02M61/18,7/06,35/10216,61/1826,35/1216	05/05/2023	C.L.
F02D9/109	05/05/2023	C.L.
Updated search.	09/12/2023	C.L.

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
239	5	05/05/2023	C.L.
	Updated search.	09/12/2023	C.L.

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

Search Notes		
Search Notes	Date	Examiner
Conducted inventor name search in EAST and PALM.	05/05/2023	C.L.
Conducted a search in the EAST database. See attached search history.	05/05/2023	C.L.
continued search from application no. 14156813, 15986571 and 16778762	05/05/2023	C.L.
Conducted a search in the PE2E search database. See attached search history.	09/12/2023	C.L.

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

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

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L529	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L536	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L537	669815	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L538	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L539	35927	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L540	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L541	508	F02M7/06.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L542	4871	F02M35/10216.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM 2023/09/12 03:57 PM
L543	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L544	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L545	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

		4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L546	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L547	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L548	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L549	19	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

L550	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L551	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L552	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L553	25	("3564580").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L554	9	("2428377").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L555	28	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L556	410978	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L557	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L558	10145	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L559	150193	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L560	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L561	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L562	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L563	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L564	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L565	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L566	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L567	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L568	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L569	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L570	1598016	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L571	647253	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L572	143543	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L573	5074	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L574	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L575	119	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L576	3804904	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L577	1020	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L578	2	("9376997").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L579	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L580	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L581	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L582	90	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L583	625023	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L584	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L585	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L586	90	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L587	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L588	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L589	1447	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L590	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L591	850226	annular near7 ring	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L592	55	L61 and L63	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM
L593	11758	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L594	55	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L595	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L596	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L597	161726	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L598	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L599	77	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L600	451	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L601	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L602	7843	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L603	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L604	502	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L605	11758	carburat\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L606	500	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L607	29	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L608	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L609	4	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L610	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L611	32693	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L612	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L613	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L614	65	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L615	3045	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L616	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L617	554	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L618	132720	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L619	307	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L620	267	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L621	270	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L622	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L623	501	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L624	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L625	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L626	504	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L627	1045	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L628	195	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L629	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L630	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L631	45	"4343148"	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L632	1562	(fire and extinguisher and container).clm.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM
L633	172	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L634	4	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L635	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L636	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L637	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L638	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L639	28	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L640	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L641	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L642	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L643	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L644	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L645	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L646	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L647	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L648	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L649	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L650	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L651	3924755	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L652	37742	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L653	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L654	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L655	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L656	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L657	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L658	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L659	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L660	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L661	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L662	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L663	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L664	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L665	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L666	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L667	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L668	5	4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US- 5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID. ("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
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L669	218	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L670	2146	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L671	33998	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L672	6953	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L673	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L674	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L675	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L676	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L677	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L678	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L679	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L680	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L681	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L682	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L683	7219	F02M61/18.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L684	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L685	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L686	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L687	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L688	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L689	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L690	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L691	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L692	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L693	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L694	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L695	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L696	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L697	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L698	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L699	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L700	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L701	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L702	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L703	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L704	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L705	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L706	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2023/09/12 03:57 PM
L707	18	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L708	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L709	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM

L710	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L711	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L712	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L713	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L714	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L715	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L716	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L717	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L718	14780	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L719	30027194	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L720	14780	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L721	14780	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L722	7192	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L723	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2023/09/12 03:57 PM

L724	23544	("169").CLAS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L725	13371	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L726	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L727	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L728	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L729	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L730	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L731	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L732	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L733	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L734	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L735	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L736	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L737	1164	F02M61/1826.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L738	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L739	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L740	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L741	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L742	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L743	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L744	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L745	5	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L746	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2023/09/12 03:57 PM

		3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L747	62430	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L748	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L749	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L750	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L751	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L752	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L753	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L754	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L755	5023	throttle and plate and shaft and fuel and annular and ring	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L756	1697	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L757	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L758	420814	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L759	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L760	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L761	12459	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L762	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L763	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L764	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L765	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L766	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L767	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L768	7	FLYNN-DOUG.in.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L769	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L770	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L771	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L772	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L773	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L774	669815	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L775	5	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L776	35927	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L777	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L778	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L779	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L780	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L781	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L782	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US- 4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

		US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L783	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L784	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L785	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L786	19	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L787	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L788	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L789	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM

L790	25	("3564580").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L791	9	("2428377").URPN.	(USPAT)	OR	ON	ON	2023/09/12 03:57 PM
L792	28	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L793	410978	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L794	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L795	10145	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L796	150193	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L797	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L798	893	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L799	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L800	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L801	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L802	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L803	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L804	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L805	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L806	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L807	1598016	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L808	647253	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L809	143543	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L810	5074	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L811	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L812	119	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L813	3804904	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L814	1020	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L815	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L816	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM
L817	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L818	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L819	90	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L820	625023	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L821	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L822	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L823	90	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L824	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L825	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L826	1447	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L827	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L828	850226	annular near7 ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L829	55	L61 and L63	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L830	11758	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L831	55	L64 not L65	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L832	142048	"fuel injector"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM 2023/09/12 03:57 PM
L833	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L834	161726	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L835	15373	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L836	77	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L837	451	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L838	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L839	7843	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L840	4695083	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L841	502	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L842	11758	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L843	500	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L844	29	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L845	18	"6460553"	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L846	4	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L847	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L848	32693	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L849	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L850	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L851	65	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L852	3045	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L853	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L854	554	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L855	132720	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L856	0	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L857	267	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L858	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L859	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L860	501	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L861	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L862	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L863	504	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L864	1045	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L865	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L866	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L867	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L868	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L869	1562	(fire and extinguisher and container).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L870	172	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L871	4	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L872	2	(13/671196).APP.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L873	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L874	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L875	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L876	28	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L877	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L878	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L879	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L880	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L881	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L882	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L883	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L884	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L885	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L886	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L887	142048	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L888	3924755	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L889	37742	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L890	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L891	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L892	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L893	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L894	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L895	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L896	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L897	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L898	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/09/12 03:57 PM

L899	1602	(239/562).CCLS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L900	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L901	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L902	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L903	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L904	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US- 4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

		5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID.					
L905	5	("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L906	218	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L907	2146	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L908	33998	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L909	6953	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2023/09/12 03:57 PM

L910	1164	F02M61/1826.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L911	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L912	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L913	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L914	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L915	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L916	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L917	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L918	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L919	1152	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L920	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L921	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L922	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L923	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L924	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L925	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L926	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L927	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L928	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L929	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L930	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L931	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L932	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L933	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L934	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L935	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L936	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L937	1164	F02M61/1826.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM 2023/09/12 03:57 PM
L938	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L939	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L940	30585	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L941	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L942	36642	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L943	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2023/09/12 03:57 PM
L944	18	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L945	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/09/12 03:57 PM
L946	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L947	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L948	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L949	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L950	1038	F02D9/109.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2023/09/12

L951	1481	F02D9/1035.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	03:57 PM
L952	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L953	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L954	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L955	14780	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L956	30027194	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L957	14780	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L958	14780	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L959	7192	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L960	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L961	23544	("169").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L962	13371	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L963	140	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	OFF	2023/09/12 03:57 PM

L964	3	("20150060090").PN.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L965	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L966	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L967	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L968	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L969	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L970	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L971	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L972	1602	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L973	7219	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L974	1164	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L975	1038	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L976	1481	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM

L977	4871	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L978	1214	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L979	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L980	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L981	6	((("20100199574") or ("5,862,632")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L982	5	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/09/12 03:57 PM
L983	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US- 3664648-\$ or US- 5273688-\$ or US- 4966735-\$ or US- 4673536-\$ or US- 3799514-\$ or US- 3564580-\$ or US- 5527367-\$ or US- 4404941-\$ or US- 2428377-\$ or US- 3800769-\$ or US- 3763936-\$ or US- 5937653-\$ or US- 3800531-\$ or US- 4250856-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2023/09/12 03:57 PM

		4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L984	62430	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L985	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L986	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L987	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L988	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L989	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L990	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L991	800	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L992	5023	throttle and plate and shaft and fuel and annular and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L993	1697	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L994	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/09/12 03:57 PM

L995	420814	b05b\$/\$.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L996	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L997	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L998	12459	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L999	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L1000	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L1001	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/12 03:57 PM
L1002	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/09/12 03:57 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/882,762	08/08/2022	Doug Flynn	ZU569-22235	4482
146169	7590	05/10/2023		
Dinsmore & Shohl LLP (Holley) 255 E 5th St #1900 Cincinnati, OH 45202			EXAMINER LEE, CHEE-CHONG	
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			05/10/2023	ELECTRONIC

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

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

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

CincyPAIR@dinsmore.com
tammy.swarens@dinsmore.com

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Claim Objections

Claim 9 is objected to because of the following informalities: "2 air intakes" in line 1 should read --two air intakes.--

Claim 10 is objected to because of the following informalities: "4 air intakes" in line 1 should read --four air intakes.-- Appropriate correction is required.

Double Patenting

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

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686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1, 3, 8, 10, 11 and 16 of U.S. Patent No. 10,012,197. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an

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internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,012,197
1 and 8	1, 3, 10, 11 and 14

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 10,570,866. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 10,570,866
1 and 5	1

Claims 1 and 8 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1 of U.S. Patent No. 11,778,341. Although the claims at issue are not identical, they are not patentably distinct from each other because both inventions have the features of a fuel injection throttle body for an internal combustion engine, comprising an air intake; a fuel port; a fuel injector with a fuel supply; a fuel channel of an annular ring; a plurality of orifices; a throttle shaft and throttle plate; and an electronic control unit.

Application Claims	U.S. Patent No. 11,778,341
1 and 5	1

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7, 12 and 14 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

The term “smooth” in claim 7 is a relative term which renders the claim indefinite. The term “smooth” is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. The degree of smoothness to meet the claim limitation is not known. Same rejection applies to claim 14.

In claim 12, line 1, the recitation “an annular ring” appears to be a double inclusion of the “annular ring” recited in line 10 of claim 8.

Claim Rejections - 35 USC § 102

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

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

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

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale, or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1-6, 8 and 9 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Graffman (US 3,800,769).

With respect to claim 1, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: an air intake (top of 41. Fig. 3) extending through said fuel injection throttle body in a vertical orientation; said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake; a fuel port (See Fig. 3 with additional annotations below) in said fuel injection throttle body and capable of receiving fuel from a fuel injector (43); a fuel channel (44) in fluid communication with said fuel port to receive said fuel; a plurality of orifices (46) disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake; a throttle plate (plate of 42) disposed in said air intake and rotatable on a shaft (shaft of 42), said throttle plate movable to vary the airflow moving through the air intake; and, an electronic controller (electric generator of the car engine) which controls said fuel injector.

With respect to claim 2, Graffman discloses said air intake comprising at least two air intakes (holes near air cleaner 54).

With respect to claim 3, Graffman discloses said air intake comprising four air intakes (holes by air cleaner 54).

With respect to claim 4, Graffman discloses said electronic controller disposed (located) on a (outside) side of said fuel injection throttle body.

With respect to claim 5, Graffman discloses said plurality of orifices comprising one or more sizes (Fig. 3).

With respect to claim 6, Graffman discloses the fuel injection throttle body further comprising a fuel ring (ring of 43) disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

With respect to claim 7, Graffman discloses said air intake and said fuel ring forming a smooth continuous surface (Fig. 3).

With respect to claim 8, Graffman discloses a fuel injection throttle body (Figs. 1-4), comprising: a plurality of air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3) that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end; (collectively) each air intake of said plurality of air intakes having a fuel port (See Fig. 3 with additional annotations below) disposed in said fuel injection throttle body, and capable of receiving fuel from a fuel injector (43); (collectively) each said fuel injector configured to be in fluid communication with a fuel supply (1. Fig. 2); a fuel channel (44) disposed within each said air intake, said fuel channel receiving fuel from said fuel injector; a plurality of orifices (46) disposed in an annular ring (ring of 43) allowing said fuel to flow from said fuel channel into said air intake; wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between

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said upper end and said lower end, a throttle shaft (shaft of 42) having a throttle plate (plate of 42) thereon, said throttle plate rotatably disposed within said air intake, and, an electronic control unit (electric generator of the car engine) to control said fuel from each said fuel injector.

With respect to claim 9, Graffman discloses said plurality of air intakes comprising 2 air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

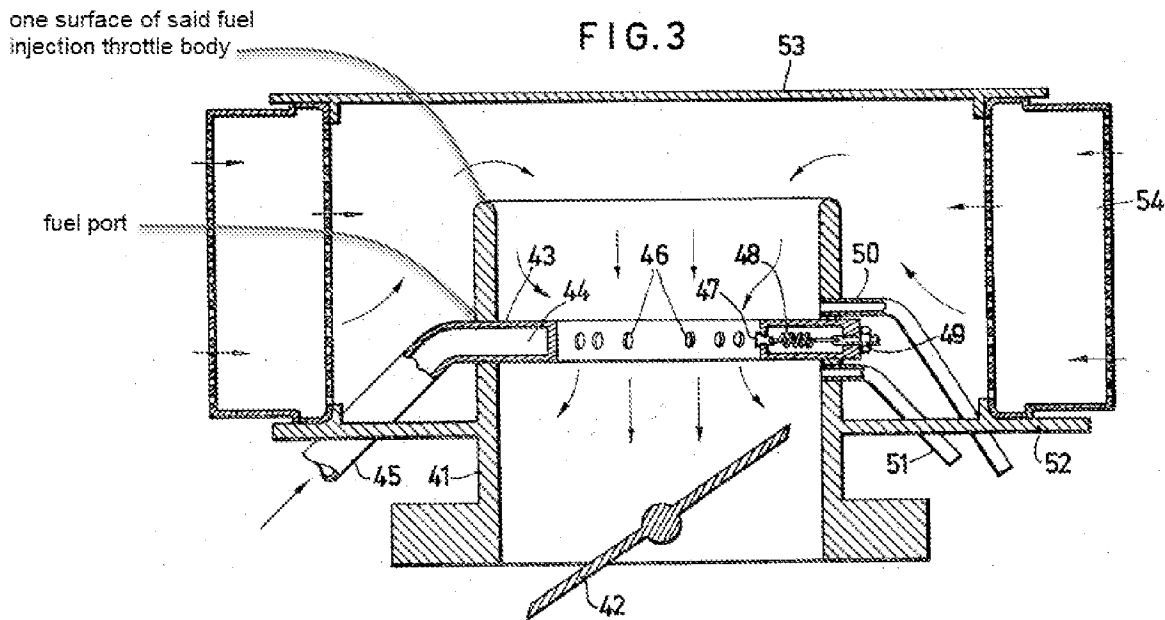
With respect to claim 10, Graffman discloses said plurality of air intakes comprising 4 air intakes (top of 41, opening covered by 53 and holes near air cleaner 54. Fig. 3).

With respect to claim 11, Graffman discloses said plurality of orifices being one or more sizes (Fig. 3).

With respect to claim 12, Graffman discloses the fuel injection throttle body further comprising a fuel ring (ring of 43) disposed in each said air intake.

With respect to claim 13, Graffman discloses said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.

With respect to claim 14, Graffman discloses said air intake having a smooth continuous surface to aid air flow (Fig. 3).



Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHEE-CHONG LEE whose telephone number is (571)270-1916. The examiner can normally be reached on Monday-Friday 8am -5pm.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur O. Hall can be reached on (571)270-1814. 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

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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 [https://ppair-](https://ppair-my.uspto.gov/pair/PrivatePair)

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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.

/CHEE-CHONG LEE/

Primary Examiner, Art Unit 3752

May 5, 2023

<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

CPC - Searched*		
Symbol	Date	Examiner
B05B1/14	05/05/2023	C.L.
F02M61/18,7/06,35/10216,61/1826,35/1216	05/05/2023	C.L.
F02D9/109	05/05/2023	C.L.

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
239	5	05/05/2023	C.L.

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

Search Notes		
Search Notes	Date	Examiner
Conducted inventor name search in EAST and PALM.	05/05/2023	C.L.
Conducted a search in the EAST database. See attached search history.	05/05/2023	C.L.
continued search from application no. 14156813, 15986571 and 16778762	05/05/2023	C.L.

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

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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<i>Search Notes</i> 	Application/Control No. 17/882,762	Applicant(s)/Patent Under Reexamination Flynn et al.
	Examiner CHEE-CHONG LEE	Art Unit 3752

/CHEE-CHONG LEE/ Primary Examiner, Art Unit 3752	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Flynn, Doug
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	ZU569-22235

U.S.PATENTS						
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
	1	4357283		1982-11-02	Manning	
	2	4434762		1984-03-06	Mccabe	
	3	4434763		1984-03-06	Mccabe et al.	
	4	4465640		1984-08-14	Dougherty	
	5	4539960		1985-09-10	Cowles	
	6	4556032		1985-12-03	Miller	
	7	4558673		1985-12-17	Mackie	
	8	4681178		1987-07-21	Brown	
	9	4736969		1988-04-12	Fouts	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	10	4798190		1989-01-17	Vaznaian et al.	
	11	4798329		1989-01-17	Mesenich	
	12	4802902		1989-02-07	Bauerle	
	13	4817996		1989-04-04	Fouts	
	14	4826411		1989-05-02	Gaeth	
	15	4827888		1989-05-09	Vaznaian et al.	
	16	4929260		1990-05-29	Bauerle	
	17	4949983		1990-08-21	Miller	
	18	5009390		1991-04-23	Mcauliffe Jr. et al.	
	19	5012780		1991-05-07	Bugamelli	

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Attorney Docket Number	ZU569-22235	

	20	5113831		1992-05-19	Grant	
	21	5148863		1992-09-22	Fouts et al.	
	22	5186033		1993-02-16	Nieczyporowicz	
	23	5208540		1993-05-04	Hoeflich	
	24	5211205		1993-05-18	Grant et al.	
	25	5235948		1993-08-17	Grant et al.	
	26	5261382		1993-11-16	Nikolai	
	27	5325915		1994-07-05	Fouts et al.	
	28	5460247		1995-10-24	Fouts	
	29	5527149		1996-06-18	Moss et al.	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	30	5551404		1996-09-03	Bauerle et al.	
	31	5807512		1998-09-15	Grant	
	32	5809972		1998-09-22	Grant	
	33	5863470		1999-01-26	Grant	
	34	5875872		1999-03-02	Fouts	
	35	5890476		1999-04-06	Grant	
	36	5908090		1999-06-01	Fouts	
	37	5959263		1999-09-28	Foltz Jr.	
	38	6120007		2000-09-19	Grant	
	39	6125467		2000-09-26	Dixon	

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Application Number		
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First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	40	6165775		2000-12-26	Shigemitsu	
	41	6196364		2001-03-06	Fouts	
	42	6205395		2001-03-20	Young et al.	
	43	6272428		2001-08-07	Heath	
	44	6339743		2002-01-15	Young et al.	
	45	6378512		2002-04-30	Staggemeier	
	46	6481698		2002-11-19	Calvin et al.	
	47	6482698		2002-11-19	Peschiaroli et al.	
	48	6520488		2003-02-18	Braswell	
	49	6535811		2003-03-18	Rowland et al.	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	50	6837228		2005-01-04	Baash et al.	
	51	7255331		2007-08-14	Grant	
	52	7343896		2008-03-18	Grant et al.	
	53	7591245		2009-09-22	Baash et al.	
	54	7634983		2009-12-22	Grant	
	55	D447147		2001-08-28	Grant	
	56	D508496		2005-08-16	Grant	
	57	D578550		2008-10-14	Benoit	
	58	D648746		2011-11-15	Tipton et al.	
	59	D659714		2012-05-15	Gieske et al.	

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Application Number		
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First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	60	4224908		1980-09-30	Bier et al.	
	61	4230645		1980-10-28	Dodson	
	62	4294282		1981-10-13	McCabe et al.	
	63	4306441		1981-12-22	Dodson	
	64	4318214		1982-03-09	Dodson	
	65	4325339		1982-04-20	Bier et al.	
	66	6874768		2005-04-05	Grant	
	67	7533661		2009-05-19	Baasch	
	68	7658177		2010-02-09	Baasch et al.	
	69	9303578		2016-04-05	Wittkopf et al.	

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	70	D655311		2012-03-06	Gieske et al.	
	71	D760804		2016-07-05	Shehan et al.	
	72	D808435		2018-01-23	Shehan et al.	
	73	D810142		2018-02-13	Shehan et al.	
	74	9845740		2017-12-19	Wittkopf et al.	
	75	3800531		1974-04-02	Sharpe	
	76	4250856		1981-02-17	Abbey	
	77	4515134		1985-05-07	Warren II	
	78	5598826		1997-02-04	Hunt et al.	
	79	9115671		2015-08-25	Benoit	

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	80	2428377		1947-10-07	Morris	
	81	3564580		1971-02-16	Cinque	
	82	3763936		1973-10-09	Menage	
	83	3799514		1974-03-26	Braden	
	84	3800769		1974-04-02	Graffman	
	85	4406266		1983-09-27	Kiesling	
	86	4966735		1990-10-30	LoRusso	

U.S.PATENT APPLICATION PUBLICATIONS

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	20010049166		2001-12-06	Peschiaroli et al.	
	2	20020100530		2002-08-01	Mcelrath et al.	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	3	20030062428		2003-04-03	Baash et al.	
	4	20040084032		2004-05-06	Baash	
	5	20060244158		2006-11-02	Grant et al.	
	6	20080110436		2008-05-15	Baash et al.	
	7	20040155367		2004-08-12	Grant	
	8	20050082694		2005-04-21	Grant	
	9	20050110170		2005-05-26	Grant	
	10	20080110435		2008-05-15	Baasch et al.	
	11	20080302326		2008-12-11	Grant	
	12	20090101104		2009-04-23	Baasch et al.	

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	13	20020043238		2002-04-18	McMaster	
	14	20120198852		2012-08-09	Hernandez	
	15	20150108256		2015-04-23	Flynn et al.	

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Examiner Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Coded	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
	1	2391589	CA		2001-05-25	Calvin		
	2	101568711	CN		2013-04-10	Baash et al.		
	3	2409239	GB		2012-10-24	Baash et al.		
	4	0040445	WO		2000-07-13	Fouts		
	5	0133185	WO		2001-05-10	Young et al.		
	6	0136804	WO		2001-05-25	Calvin		

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	7	03027476	WO		2003-04-03	Baash et al.		
	8	2008061065	WO		2008-05-22	Baash et al.		
	9	2007014165	WO		2007-11-15	Baasch		

NON-PATENT LITERATURE DOCUMENTS

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	Transmittal Letter of Related Applications.	

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Art Unit	TBD	
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Attorney Docket Number	ZU569-22235	

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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	/James E. Cole/	Date (YYYY-MM-DD)	2022-08-08
Name/Print	James E. Cole	Registration Number	50530

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Doc code: IDS

PTO/SB/08a (02-18)

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Flynn, Doug

Art Unit

TBD

Examiner Name

TBD

Attorney Docket Number

ZU569-22235

U.S.PATENTS

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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
	1	4246875	A	1981-01-27	Bier	
	2	D645058		2011-09-13	Benoit	
	3	D543555		2007-05-29	Braswell	
	4	D555668		2007-11-20	Benoit	
	5	D760804		2016-07-05	Shehan et al	
	6	D721389		2015-01-20	Gieske et al	
	7	10012197		2018-07-03	Flynn et al	
	8	10094353		2018-10-09	Bennett et al	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

9	10570866		2020-02-25	Flynn	
10	4373500		1983-02-15	Haynes	
11	1153436		1915-09-14	McCray	
12	1386036		1921-08-02	Weeks	
13	1394536		1921-10-25	Chase	
14	1465449		1923-08-21	Maegly	
15	1983225		1934-12-04	Gregg	
16	2066544		1937-01-05	Shaw	
17	3659572		1972-05-02	Pelizzoni	
18	4250856		1981-02-17	Abbey	
19	3384059		1968-05-21	Kopa	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

20	3545948	1970-12-08	Baverstock
21	3613650	1971-10-19	Stumpp
22	11409894	2022-08-09	Flynn

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	1	20180119656		2018-05-03	Shehan et al	

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	1	339157	AU		2011-10-25	Tipton et al		
	2	341133	AU		2012-02-23	Shehan et al		
	3	348732	AU		2013-05-23	Jeneckes et al		

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

4	348733	AU		2013-05-23	Jeneckes et al		
5	348734	AU		2013-05-23	Jeneckes et al		
6	356762	AU		2014-08-05	Shehan et al		
7	201710470	AU		2017-02-16	Flynn et al		
8	201710471	AU		2017-02-16	Flynn et al		
9	3729599	EM		2017-01-30	Shehan et al		
10	201813353	AU		2018-08-27	Shehan et al		
11	201815034	AU		2018-09-21	Shehan et al		
12	201813355	AU		2018-08-27	Shehan et al		
13	201815036	AU		2018-09-21	Shehan et al		
14	201816624	AU		2018-12-05	Bell et al		

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Examiner Name	TBD	
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	15	201816623	AU		2018-12-05	Whittle		
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L292	0	("14156813").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L293	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L294	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L295	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L296	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L297	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L298	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L299	1127	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L300	658227	inject	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L301	11	L8 and L9	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L302	35790	F02M61/18, F02M7/06, F02M35/10216, F02M61/1826, F02D9/109,	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L303	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L304	508	F02M7/06.cpc.	(US-PGPUB; USPAT;	OR	ON	ON	2023/05/05

L305	4854	F02M35/10216.cpc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	05:56 PM 2023/05/05 05:56 PM
L306	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L307	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L308	75	US-5551387-\$.DID. OR US-6173690-\$.DID. OR US-4458650-\$.DID. OR US-4256066-\$.DID. OR US-4527528-\$.DID. OR US-4280462-\$.DID. OR US-4589389-\$.DID. OR US-4319327-\$.DID. OR US-5357792-\$.DID. OR US-4368705-\$.DID. OR US-5582139-\$.DID. OR US-4389996-\$.DID. OR US-6273071-\$.DID. OR US-4391253-\$.DID. OR US-6371092-\$.DID. OR US-4411243-\$.DID. OR US-7150250-\$.DID. OR US-4437445-\$.DID. OR US-7152559-\$.DID. OR US-4445483-\$.DID. OR US-7337762-\$.DID. OR US-4473052-\$.DID. OR US-20060016417- \$.DID. OR US- 4475501-\$.DID. OR US-20060016420- \$.DID. OR US- 4517928-\$.DID. OR US-20060016421- \$.DID. OR US- 4528967-\$.DID. OR US-20060016422- \$.DID. OR US- 4534214-\$.DID. OR US-20060016423- \$.DID. OR US- 4535744-\$.DID. OR US-20070119417- \$.DID. OR US- 4558678-\$.DID. OR US-20080091334- \$.DID. OR US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM

		4572129-\$.DID. OR US-20110120413- \$.DID. OR US- 4588132-\$.DID. OR US-20150108256- \$.DID. OR US- 4589390-\$.DID. OR US-7607422-\$.DID. OR US-4771753-\$.DID. OR US-5868118-\$.DID. OR US-4794901-\$.DID. OR US-5628290-\$.DID. OR US-4807573-\$.DID. OR US-5852998-\$.DID. OR US-4836164-\$.DID. OR US-6009851-\$.DID. OR US-4850324-\$.DID. OR US-4349000-\$.DID. OR US-4862858-\$.DID. OR US-4429673-\$.DID. OR US-4895184-\$.DID. OR US-5365893-\$.DID. OR US-5713336-\$.DID. OR US-5832905-\$.DID. OR US-5862794-\$.DID. OR US-5881701-\$.DID. OR US-5970947-\$.DID. OR US-6227177-\$.DID. OR US-4280465-\$.DID. OR US-4374512-\$.DID. OR US-4465050-\$.DID. OR US-4502437-\$.DID. OR US-4887216-\$.DID. OR US-4922862-\$.DID. OR US-5027278-\$.DID. OR US-5337710-\$.DID. OR US-5349934-\$.DID. OR US-5423307-\$.DID. OR US-5608632-\$.DID. OR US-5722363-\$.DID. OR US-5934257-\$.DID. OR US-6065444-\$.DID.					
L309	11	("1421606" "3353520" "3915137" "4216753" "4292945" "4375799").PN. OR ("4528967").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L310	14	("2428377" "4132203").PN. OR ("4292945").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L311	25	("3731880" "4264040" "4292945" "4351480").PN. OR ("4434765").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L312	19	("3564580" "3664648" "4292945").PN. OR ("4406266").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM

L313	22	("4218021" "4356980" "4394974" "4395989" "4406266" "4421278").PN. OR ("4524743").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L314	10	("3731880" "4264040" "4292945" "4351480").PN. OR ("4395989").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L315	19	("3664648").URPN.	(USPAT)	OR	ON	ON	2023/05/05 05:56 PM
L316	25	("3564580").URPN.	(USPAT)	OR	ON	ON	2023/05/05 05:56 PM
L317	9	("2428377").URPN.	(USPAT)	OR	ON	ON	2023/05/05 05:56 PM
L318	28	("2428377" "2447262" "2957464" "2989065" "3384059" "3510112" "3545948" "3613650").PN. OR ("3800769").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L319	404887	fuel and ring	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L320	4633535	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L321	10008	L9 and L28 and L29	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L322	149725	("239").CLAS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L323	0	("30and31").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L324	885	L30 and L31	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L325	6	("6805158").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L326	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM

L327	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L328	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L329	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L330	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L331	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L332	4	("5937653").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L333	1557336	annular.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L334	634584	fuel.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L335	140046	injector.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L336	5010	L42 and L43 and L44	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L337	79	carburetor.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L338	119	carburat\$2.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L339	3687602	ring.clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L340	1010	L45 and L48	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/05/05 05:56 PM

L341	2	("9376997").PN.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L342	1	US-20030178011- \$.DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM
L343	30215	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L344	36279	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L345	89	L52 and L53	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L346	617818	throttle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L347	30215	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L348	36279	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L349	89	L56 and L57	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L350	18	L55 and L58	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L351	15243	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L352	1433	L56 and L60	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L353	11	L57 and L61	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L354	838448	annular near7 ring	(US-PGPUB; USPAT;	OR	ON	ON	2023/05/05

L355	54	L61 and L63	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	05:56 PM
L356	11744	carburat\$4	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L357	54	L64 not L65	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L358	141092	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L359	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L360	160273	"annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L361	15243	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L362	77	L67 and L69 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L363	450	"annular adaptor"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L364	0	L67 and L72	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L365	7757	L67 and L70	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L366	4633535	annular	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L367	497	L74 and L75	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/05/05 05:56 PM

L368	11744	carburat\$4	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L369	495	L76 not L77	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L370	29	"4821805"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L371	18	"6460553"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L372	4	("4250856").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L373	216	"carburator".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L374	32611	"carburetor".ti.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L375	141092	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L376	223	L83 and L84	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L377	63	"9115671"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L378	2991	carburetor and modify	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L379	141092	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L380	546	L87 and L88	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM

L381	131886	throttle and intake and valve	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L382	306	L89 and L90	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L383	264	mustang and chevrolet	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L384	0	L89 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L385	11	L88 and L92	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L386	500	replace near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L387	0	substitu near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L388	76	substitute near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L389	500	remove near7 carburetor	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L390	1040	L95 L97 L98	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L391	240	L88 and L99	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L392	45	"4343148"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L393	6	"20040061001"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L394	45	"4343148"	(US-PGPUB; USPAT;	OR	ON	ON	2023/05/05

L395	1539	(fire and extinguisher and container).clm.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	05:56 PM
L396	169	(fire and extinguisher and container and tank).clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L397	4	("4271092").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L398	2	(13/671196).APP.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L399	2	"13671196"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L400	2	("9379997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L401	2	("9376997").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L402	28	"corrosion coupon rack"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L403	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L404	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L405	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L406	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L407	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/05/05 05:56 PM

L408	10	SPAINHOWARD-COREY.in.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L409	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L410	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L411	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L412	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L413	141092	"fuel injector"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L414	3869492	nozzle	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L415	37411	L122 and L123	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L416	5	("3792581").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L417	4	("4835960").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L418	4	("4656987").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L419	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L420	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM

L421	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L422	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L423	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L424	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L425	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L426	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L427	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L428	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L429	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L430	131	(US-0040445-\$ US- 0133185-\$ US- 0136804-\$ US- 03027476-\$ US- 14156813-\$ US- 20010049166-\$ US- 20020100530-\$ US- 20030062428-\$ US- 20040084032-\$ US- 20060244158-\$ US- 20080110436-\$ US- 2391589-\$ US- 2409239-\$ US- 4357283-\$ US- 4434762-\$ US- 4434763-\$ US- 4465640-\$ US- 4539960-\$ US- 4556032-\$ US-	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM

L431	5	4558673-\$ US- 4681178-\$ US- 4736969-\$ US- 4798190-\$ US- 4798329-\$ US- 4802902-\$ US- 4817996-\$ US- 4826411-\$ US- 4827888-\$ US- 4929260-\$ US- 4949983-\$ US- 5009390-\$ US- 5012780-\$ US- 5113831-\$ US- 5148863-\$ US- 5186033-\$ US- 5208540-\$ US- 5211205-\$ US- 5235948-\$ US- 5261382-\$ US- 5325915-\$ US- 5460247-\$ US- 5527149-\$ US- 5551404-\$ US- 5807512-\$ US- 5809972-\$ US- 5863470-\$ US- 5875872-\$ US- 5890476-\$ US- 5908090-\$ US- 5959263-\$ US- 6120007-\$ US- 6125467-\$ US- 6165775-\$ US- 6196364-\$ US- 6205395-\$ US- 6272428-\$ US- 6339743-\$ US- 6378512-\$ US- 6481698-\$ US- 6482698-\$ US- 6520488-\$ US- 6535811-\$ US- 6837228-\$ US- 7255331-\$ US- 7343896-\$ US- 7591245-\$ US- 7634983-\$ US- D447147-\$ US- D508496-\$ US- D578550-\$ US- D648746-\$ US- D659714-\$).DID. ("6481698").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
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L432	218	(123/462).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L433	2141	(123/470).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L434	33924	(123/445-494).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L435	6929	(123/253-293).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L436	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L437	1474	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L438	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L439	1212	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L440	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L441	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L442	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L443	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L444	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L445	1127	HOLLEY.as.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/05/05 05:56 PM

L446	7213	F02M61/18.cpc.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L447	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L448	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L449	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L450	1212	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L451	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L452	1474	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L453	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L454	797	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L455	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L456	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L457	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L458	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM

L459	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L460	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L461	508	F02M7/06.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L462	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L463	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L464	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L465	28	((("1153436") or ("1983225")).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L466	30215	"fuel injector".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L467	6	"fuel injector" near "annular ring"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L468	36279	"annular ring".clm.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L469	13	("2479777").URPN.	(USPAT)	OR	OFF	OFF	2023/05/05 05:56 PM
L470	18	("1463496" "2822253" "3393984" "3544290" "3664648").PN. OR ("3799514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/05/05 05:56 PM
L471	26	("4920937" "5553588" "5806482").PN. OR ("6173690").URPN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2023/05/05 05:56 PM
L472	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM

L473	797	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L474	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L475	1160	F02M61/1826.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L476	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L477	1474	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L478	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L479	1212	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L480	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L481	14651	"throttle plate"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L482	29417754	(throttle plate)	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L483	14651	throttle adj plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L484	14651	throttle adj1 plate	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L485	7186	fuel and carburetor and orifice	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L486	447	L226 and L227	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	OFF	2023/05/05 05:56 PM

L487	23351	("169").CLAS.	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L488	13074	hose and tower	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L489	127	L229 and L230	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L490	3	("20150060090").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L491	2	("9751597").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L492	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L493	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L494	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L495	7	JENCKES- CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L496	10	SPAINHOWARD- COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L497	797	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L498	1593	(239/562).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L499	7213	F02M61/18.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/05/05 05:56 PM

L500	1160	F02M61/1826.cpc.	IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L501	1034	F02D9/109.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L502	1474	F02D9/1035.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L503	4854	F02M35/10216.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L504	1212	F02M61/184.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L505	1170	F02M69/043.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L506	2	("20040200781").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L507	6	((("20100199574") or ("5,862,632"))).PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L508	5	("7510022").PN.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	OFF	OFF	2023/05/05 05:56 PM
L509	82	(US-20110000981-\$ or US-20120292408-\$ or US-20140238350-\$ or US-20020043238-\$ or US-20120198852-\$ or US-20120198853-\$ or US-20140331676-\$ or US-20040061001- \$).did. or (US-6173690- \$ or US-4528967-\$ or US-4292945-\$ or US- 4637366-\$ or US- 4434765-\$ or US- 4406266-\$ or US- 4524743-\$ or US- 7438050-\$ or US- 4395989-\$ or US- 4509483-\$ or US-	(US-PGPUB; USPAT; USOCR; DERWENT)	OR	ON	ON	2023/05/05 05:56 PM

		3664648-\$ or US-5273688-\$ or US-4966735-\$ or US-4673536-\$ or US-3799514-\$ or US-3564580-\$ or US-5527367-\$ or US-4404941-\$ or US-2428377-\$ or US-3800769-\$ or US-3763936-\$ or US-5937653-\$ or US-3800531-\$ or US-4250856-\$ or US-4515134-\$ or US-5417057-\$).did. or (US-5662077-\$ or US-4835960-\$ or US-4656987-\$).did. or (US-3664648-\$ or US-2428377-\$ or US-2479777-\$ or US-3181520-\$).did. or (US-20150108256-\$ or US-20140123944-\$).did.					
L510	61791	throttle and plate and shaft	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L511	12	L271 and L272	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L512	7	FLYNN-DOUG.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L513	7	DRALLE-JAMES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L514	39	GIESKE-AMY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L515	7	JENCKES-CHARLES.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L516	10	SPAINHOWARD-COREY.in.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L517	797	(239/5).CCLS.	(US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	ON	2023/05/05 05:56 PM

L518	4978	throttle and plate and shaft and fuel and annular and ring	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L519	1672	throttle and plate and shaft and fuel and annular and ring and injection and port	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L520	0	b05b.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L521	418950	b05b\$/\$.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L522	5	L281 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L523	9	L280 and L283	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L524	12389	B05B1/14.cpc.	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L525	25	"14156813"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L526	7	"15986571"	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L527	2	chee-chong and edger	(US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/05 05:56 PM
L528	9	("1949904" "20080217878" "4349039" "4877348" "5351762" "5669558" "6776363").PN. OR ("9522408").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/05/05 05:56 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Bibliographic Data

Application No: 17/882,762

Foreign Priority claimed: ☐ Yes ☒ No

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

Verified and Acknowledged: /CHEE-CHONG LEE/

Examiner's Signature

Initials

Title: Fuel Injection Throttle Body

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/08/2022	239	3752	
RULE			

APPLICANTS

Holley Performance Products, Inc., Bowling Green, KY, UNITED STATES

INVENTORS

Doug Flynn, Bowling Green, KY, UNITED STATES

James Dralle, Bowling Green, KY, UNITED STATES

Amy Gieske, Loogootee, IN, UNITED STATES

Charles Jenckes, Harrisburg, NC, UNITED STATES

Corey Spainhoward, Bowling Green, KY, UNITED STATES

CONTINUING DATA

This application is a CON of 16778341 01/31/2020 PAT 11409894

16778341 is a CON of 15986571 05/22/2018 PAT 10570866

15986571 is a DIV of 14156813 01/16/2014 PAT 10012197

14156813 has PRO of 61892706 10/18/2013

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

08/18/2022

STATE OR COUNTRY

UNITED STATES

ADDRESS

FILING FEE RECEIVED

\$1,980



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/882,762	08/08/2022	Doug Flynn	ZU569-22235

CONFIRMATION NO. 4482

PUBLICATION NOTICE



OC000000136916598

146169
MIDDLETON & REUTLINGER (Holley)
401 S. 4th Street, Suite 2600
(2600 Brown & Williamson Tower)
LOUISVILLE, KY 40202

Title:Fuel Injection Throttle Body

Publication No.US-2022-0372940-A1

Publication Date:11/24/2022

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

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

Title of Invention	Fuel Injection Throttle Body
-----------------------	------------------------------

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 17/882,762
filed on August 8, 2022

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.

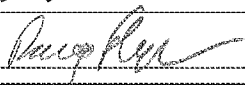
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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: Doug Flynn Date (Optional): 8/12/22

Signature: 

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.

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

Title of Invention	Fuel Injection Throttle Body
--------------------	------------------------------

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 17/882,762

filed on August 8, 2022

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

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

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LEGAL NAME OF INVENTOR

Inventor: James Dralle

Date (Optional): 11 Aug 2022

Signature: James D. Dralle

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

Fuel Injection Throttle Body

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 17/882,762

filed on August 8, 2022

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

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LEGAL NAME OF INVENTOR

Inventor: Amy Gieske

Date (Optional) _____

Signature Amy Gieske

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

This collection of information is required by 35 U.S.C. 118 and 37 CFR 1.63. 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 1 minute 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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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

Fuel Injection Throttle Body

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 16/778,341

filed on January 31, 2020

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.

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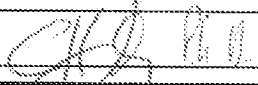
LEGAL NAME OF INVENTOR

Inventor: Charles Jenckes

Date (Optional):

2/10/2020

Signature:



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

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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	Fuel Injection Throttle Body
--------------------	------------------------------

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 17/882,762 filed on August 8, 2022

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

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

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

WARNING:

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LEGAL NAME OF INVENTOR

Inventor: Corey Spainhowerd Date (Optional): 8-11-22

Signature: Corey Spainhowerd

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.

Electronic Acknowledgement Receipt

EFS ID:	46562674
Application Number:	17882762
International Application Number:	
Confirmation Number:	4482
Title of Invention:	Fuel Injection Throttle Body
First Named Inventor/Applicant Name:	Doug Flynn
Customer Number:	146169
Filer:	James Earl Cole/Tammy Swarens
Filer Authorized By:	James Earl Cole
Attorney Docket Number:	ZU569-22235
Receipt Date:	07-SEP-2022
Filing Date:	08-AUG-2022
Time Stamp:	16:45:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	ZU569-22235- Declarations_09-07-2022.PDF	3859109 a8adfe98f0937672c75bf646d08cad95709b e678	no	5

Warnings:

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Information:	
Total Files Size (in bytes):	3859109
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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
17/882,762	08/08/2022	3747	1980	ZU569-22235	14	2

CONFIRMATION NO. 4482

FILING RECEIPT

146169
MIDDLETON & REUTLINGER (Holley)
401 S. 4th Street, Suite 2600
(2600 Brown & Williamson Tower)
LOUISVILLE, KY 40202



0000000135917758

Date Mailed: 08/19/2022

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

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

Inventor(s)

Doug Flynn, Bowling Green, KY;
James Dralle, Bowling Green, KY;
Amy Gieske, Loogootee, IN;
Charles Jenckes, Harrisburg, NC;
Corey Spainhoward, Bowling Green, KY;

Applicant(s)

Holley Performance Products, Inc., Bowling Green, KY;

Power of Attorney: The patent practitioners associated with Customer Number 146169

Domestic Priority data as claimed by applicant

This application is a CON of 16/778,341 01/31/2020 PAT 11409894
which is a CON of 15/986,571 05/22/2018 PAT 10570866
which is a DIV of 14/156,813 01/16/2014 PAT 10012197
which claims benefit of 61/892,706 10/18/2013

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

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

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 08/18/2022

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/882,762**

Projected Publication Date: 11/24/2022

Non-Publication Request: No

Early Publication Request: No

Title

Fuel Injection Throttle Body

Preliminary Class

123

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

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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).

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Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 17/882,762	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(j))	14	minus 20 = *			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *				x 480 =	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
			TOTAL			TOTAL	1820
* If the difference in column 1 is less than zero, enter "0" in column 2.							
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** 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.							



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/882,762	08/08/2022	Doug Flynn	ZU569-22235

CONFIRMATION NO. 4482

INFORMAL NOTICE



146169
MIDDLETON & REUTLINGER (Holley)
401 S. 4th Street, Suite 2600
(2600 Brown & Williamson Tower)
LOUISVILLE, KY 40202

Date Mailed: 08/19/2022

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
Doug Flynn
James Dralle
Amy Gieske
Charles Jenckes
Corey Spainhoward

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.

/ngfissha/

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.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

U.S.PATENTS						
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
	1	4357283		1982-11-02	Manning	
	2	4434762		1984-03-06	Mccabe	
	3	4434763		1984-03-06	Mccabe et al.	
	4	4465640		1984-08-14	Dougherty	
	5	4539960		1985-09-10	Cowles	
	6	4556032		1985-12-03	Miller	
	7	4558673		1985-12-17	Mackie	
	8	4681178		1987-07-21	Brown	
	9	4736969		1988-04-12	Fouts	

**INFORMATION DISCLOSURE
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Application Number		
Filing Date		
First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	10	4798190		1989-01-17	Vaznaian et al.	
	11	4798329		1989-01-17	Mesenich	
	12	4802902		1989-02-07	Bauerle	
	13	4817996		1989-04-04	Fouts	
	14	4826411		1989-05-02	Gaeth	
	15	4827888		1989-05-09	Vaznaian et al.	
	16	4929260		1990-05-29	Bauerle	
	17	4949983		1990-08-21	Miller	
	18	5009390		1991-04-23	Mcauliffe Jr. et al.	
	19	5012780		1991-05-07	Bugamelli	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	20	5113831		1992-05-19	Grant	
	21	5148863		1992-09-22	Fouts et al.	
	22	5186033		1993-02-16	Nieczyporowicz	
	23	5208540		1993-05-04	Hoeflich	
	24	5211205		1993-05-18	Grant et al.	
	25	5235948		1993-08-17	Grant et al.	
	26	5261382		1993-11-16	Nikolai	
	27	5325915		1994-07-05	Fouts et al.	
	28	5460247		1995-10-24	Fouts	
	29	5527149		1996-06-18	Moss et al.	

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First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	30	5551404		1996-09-03	Bauerle et al.	
	31	5807512		1998-09-15	Grant	
	32	5809972		1998-09-22	Grant	
	33	5863470		1999-01-26	Grant	
	34	5875872		1999-03-02	Fouts	
	35	5890476		1999-04-06	Grant	
	36	5908090		1999-06-01	Fouts	
	37	5959263		1999-09-28	Foltz Jr.	
	38	6120007		2000-09-19	Grant	
	39	6125467		2000-09-26	Dixon	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	40	6165775		2000-12-26	Shigemitsu	
	41	6196364		2001-03-06	Fouts	
	42	6205395		2001-03-20	Young et al.	
	43	6272428		2001-08-07	Heath	
	44	6339743		2002-01-15	Young et al.	
	45	6378512		2002-04-30	Staggemeier	
	46	6481698		2002-11-19	Calvin et al.	
	47	6482698		2002-11-19	Peschiaroli et al.	
	48	6520488		2003-02-18	Braswell	
	49	6535811		2003-03-18	Rowland et al.	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	50	6837228		2005-01-04	Baash et al.	
	51	7255331		2007-08-14	Grant	
	52	7343896		2008-03-18	Grant et al.	
	53	7591245		2009-09-22	Baash et al.	
	54	7634983		2009-12-22	Grant	
	55	D447147		2001-08-28	Grant	
	56	D508496		2005-08-16	Grant	
	57	D578550		2008-10-14	Benoit	
	58	D648746		2011-11-15	Tipton et al.	
	59	D659714		2012-05-15	Gieske et al.	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	60	4224908		1980-09-30	Bier et al.	
	61	4230645		1980-10-28	Dodson	
	62	4294282		1981-10-13	McCabe et al.	
	63	4306441		1981-12-22	Dodson	
	64	4318214		1982-03-09	Dodson	
	65	4325339		1982-04-20	Bier et al.	
	66	6874768		2005-04-05	Grant	
	67	7533661		2009-05-19	Baasch	
	68	7658177		2010-02-09	Baasch et al.	
	69	9303578		2016-04-05	Wittkopf et al.	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	70	D655311		2012-03-06	Gieske et al.	
	71	D760804		2016-07-05	Shehan et al.	
	72	D808435		2018-01-23	Shehan et al.	
	73	D810142		2018-02-13	Shehan et al.	
	74	9845740		2017-12-19	Wittkopf et al.	
	75	3800531		1974-04-02	Sharpe	
	76	4250856		1981-02-17	Abbey	
	77	4515134		1985-05-07	Warren II	
	78	5598826		1997-02-04	Hunt et al.	
	79	9115671		2015-08-25	Benoit	

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Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	80	2428377		1947-10-07	Morris	
	81	3564580		1971-02-16	Cinque	
	82	3763936		1973-10-09	Menage	
	83	3799514		1974-03-26	Braden	
	84	3800769		1974-04-02	Graffman	
	85	4406266		1983-09-27	Kiesling	
	86	4966735		1990-10-30	LoRusso	

U.S.PATENT APPLICATION PUBLICATIONS

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	20010049166		2001-12-06	Peschiaroli et al.	
	2	20020100530		2002-08-01	Mcelrath et al.	

**INFORMATION DISCLOSURE
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Application Number		
Filing Date		
First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	3	20030062428		2003-04-03	Baash et al.	
	4	20040084032		2004-05-06	Baash	
	5	20060244158		2006-11-02	Grant et al.	
	6	20080110436		2008-05-15	Baash et al.	
	7	20040155367		2004-08-12	Grant	
	8	20050082694		2005-04-21	Grant	
	9	20050110170		2005-05-26	Grant	
	10	20080110435		2008-05-15	Baasch et al.	
	11	20080302326		2008-12-11	Grant	
	12	20090101104		2009-04-23	Baasch et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Flynn, Doug	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

	13	20020043238		2002-04-18	McMaster	
	14	20120198852		2012-08-09	Hernandez	
	15	20150108256		2015-04-23	Flynn et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Coded	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
	1	2391589	CA		2001-05-25	Calvin		
	2	101568711	CN		2013-04-10	Baash et al.		
	3	2409239	GB		2012-10-24	Baash et al.		
	4	0040445	WO		2000-07-13	Fouts		
	5	0133185	WO		2001-05-10	Young et al.		
	6	0136804	WO		2001-05-25	Calvin		

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Application Number	
Filing Date	
First Named Inventor	Flynn, Doug
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	ZU569-22235

	7	03027476	WO		2003-04-03	Baash et al.		
	8	2008061065	WO		2008-05-22	Baash et al.		
	9	2007014165	WO		2007-11-15	Baasch		

NON-PATENT LITERATURE DOCUMENTS

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	Transmittal Letter of Related Applications.	

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 Standard ST.3). ³ For Japanese Kind of document by the English language translation

Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office patent documents, the indication of the year of the reign of the Emperor appropriate symbols as indicated on the document under WIPO Standard is attached.

that issued the document, by the two-letter code (WIPO must precede the serial number of the patent document. ST.16 if possible. ⁵ Applicant is to place a check mark here if

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Flynn, Doug
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	ZU569-22235

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	/James E. Cole/	Date (YYYY-MM-DD)	2022-08-08
Name/Print	James E. Cole	Registration Number	50530

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.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Attorney Ref.:	ZU569-22235
	)		
Inventor: Doug Flynn, <i>et al.</i>	)	Examiner:	TBD
	)		
Application No.:	)	Group Art Unit:	TBD
	)		
Filed: August 8, 2022	)	Confirmation No.:	TBD
	)		
For: FUEL INJECTION THROTTLE BODY	)	Date Submitted:	August 8, 2022
	)		

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

TRANSMITTAL LETTER WITH INFORMATION DISCLOSURE STATEMENTS

Dear Examiner:

Applicant is submitting these comments with the Information Disclosure Statements (IDS) filed herewith.

Pursuant to MPEP § 609.02(II)(2), Applicant is citing the references in the IDS filed in the parent case, including Examiner's cited art, so that the information will be printed on the patent. Pursuant to MPEP § 609.02(II)(2), the Examiner of the child application will consider information which has been considered in the parent application. Therefore, Applicant is not providing the foreign references and the non-patent literature with this filing, which the Examiner will find in the parent application. However, if Examiner requests that Applicant provide the foreign references and the non-patent literature, Applicant will provide those.

Consideration of the IDS filed herewith during examination of the instant application is therefore respectfully requested. If the Office has any questions regarding the foregoing, please contact the undersigned at (502) 625-2746.

Respectfully submitted,

Date: August 8, 2022

/ James E. Cole /
James E. Cole
Reg. No. 50530
MIDDLETON REUTLINGER
2600 Brown & Williamson Tower
Louisville KY 40202
Direct Phone: 502.625.2746
Fax: 502.561.0442
jcole@middlettonlaw.com
Attorney for Applicant

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	Fuel Injection Throttle Body			
First Named Inventor/Applicant Name:	Doug Flynn			
Filer:	James Earl Cole/Tammy Swarens			
Attorney Docket Number:	ZU569-22235			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	320	320
UTILITY SEARCH FEE	1111	1	700	700
UTILITY EXAMINATION FEE	1311	1	800	800
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	160	160
Petition:				

EX. 1002 - 457

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1980

Electronic Acknowledgement Receipt

EFS ID:	46359261
Application Number:	17882762
International Application Number:	
Confirmation Number:	4482
Title of Invention:	Fuel Injection Throttle Body
First Named Inventor/Applicant Name:	Doug Flynn
Customer Number:	146169
Filer:	James Earl Cole/Tammy Swarens
Filer Authorized By:	James Earl Cole
Attorney Docket Number:	ZU569-22235
Receipt Date:	08-AUG-2022
Filing Date:	
Time Stamp:	11:59:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1980
RAM confirmation Number	E202288B59451445
Deposit Account	506792
Authorized User	Tammy Swarens

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.21 (Miscellaneous fees and charges)

EX. 1002 - 459

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	ZU569-22235_ADS_08-08-2022.pdf	1256411	no	10
			f886ddd81e86205688c96db089471bf40c8e28b3		
Warnings:					
Information:					
2		ZU569-22235_Application_08-08-2022.pdf	50740	yes	9
			b0c807899d127ae69c03dc81e5199ec7024f443f		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	6	
	Claims		7	8	
	Abstract		9	9	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	ZU569-22235_Figures_08-08-2022.pdf	1138225	no	8
			5aa9dc514f498e8c8b208b513593b8fd2feaf488d		
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4	Power of Attorney	ZU569-22235_POA_08-08-2022.pdf	3107534	no	2
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Warnings:					
Information:					
5	Information Disclosure Statement (IDS) Form (SB08)	ZU569-22235_IDS1_08-08-2022.pdf	1043063	no	7
			3f39ac74ad0a718abb72568d337ef3d79cd86f0		
EX 1002 160					

Warnings:					
Information:					
6	Information Disclosure Statement (IDS) Form (SB08)	ZU569-22235_IDS2_08-08-2022.pdf	204682 a2a3084838214a4bb8f0f5ea31962c3868d515e4	no	13
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
7	Transmittal Letter	ZU569-22235_IDSTransmittalLetterWithIDS_08-08-2022.pdf	20322 cb74469faa1354ea40e406938c38b2f7cecf7087	no	1
Warnings:					
Information:					
8	Fee Worksheet (SB06)	fee-info.pdf	46766 d0e40621cd0d0a8419bcf7d862796369af17cce6	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			6867743		
<p>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.</p> <p><u>New Applications Under 35 U.S.C. 111</u> 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.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> 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.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> 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.</p>					

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	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		
<p>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.</p> <p>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.</p>			

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	
	Doug		Flynn		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Bowling Green	State/Province	KY	Country of Residence	US

Mailing Address of Inventor:

Address 1	1801 Russellville Road				
Address 2					
City	Bowling Green	State/Province	KY		
Postal Code	42101	Country	US		

Inventor	2				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	James		Dralle		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Bowling Green	State/Province	KY	Country of Residence	US

Mailing Address of Inventor:

Address 1	1801 Russellville Road				
Address 2					
City	Bowling Green	State/Province	KY		
Postal Code	42101	Country	US		

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

EX. 1002 - 462

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

City	Loogootee	State/Province	IN	Country of Residence	US
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Mailing Address of Inventor:

Address 1	1801 Russellville Road				
Address 2					
City	Bowling Green	State/Province	KY		
Postal Code	42101	Country	US		
Inventor	4				Remove
Legal Name					

Prefix	Given Name	Middle Name	Family Name	Suffix	
	Charles		Jenckes		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Harrisburg	State/Province	NC	Country of Residence	US

Mailing Address of Inventor:

Address 1	6247 Roseway Court				
Address 2					
City	Harrisburg	State/Province	NC		
Postal Code	28075	Country	US		
Inventor	5				Remove
Legal Name					

Prefix	Given Name	Middle Name	Family Name	Suffix	
	Corey		Spainhoward		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Bowling Green	State/Province	KY	Country of Residence	US

Mailing Address of Inventor:

Address 1	1801 Russellville Road				
Address 2					
City	Bowling Green	State/Province	KY		
Postal Code	42101	Country	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add					

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

EX-1002-403

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

Customer Number	146169		
Email Address	icole@middletonlaw.com	<input type="button" value="Add Email"/>	<input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	Fuel Injection Throttle Body		
Attorney Docket Number	ZU569-22235	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

Filing By Reference:

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

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

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

Publication Information:

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

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	146169		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

Domestic Benefit/National Stage Information:

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

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

Prior Application Status	Pending		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
	Continuation of	16778341	2020-01-31		
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16778341	Continuation of	15986571	2018-05-22	10570866	2020-02-25
Prior Application Status	Patented		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15986571	Division of	14156813	2014-01-16	10012197	2018-07-03
Prior Application Status	Expired		Remove		
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
14156813	Claims benefit of provisional	61892706	2013-10-18		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Foreign Priority Information:

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

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

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

<p>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.</p> <p>☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.</p>	
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

Applicant Information:

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

Applicant	1	Remove
<p>If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.</p> <p style="text-align: right;">Clear</p>		
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
Name of the Deceased or Legally Incapacitated Inventor: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
If the Applicant is an Organization check here. ☒		
Organization Name	Holley Performance Products, Inc.	
Mailing Address Information For Applicant:		
Address 1	1801 Russellville Road	
Address 2		
City	Bowling Green	State/Province
Country	US	Postal Code
Phone Number		Fax Number
Email Address		
Additional Applicant Data may be generated within this form by selecting the Add button. Add		

Assignee Information including Non-Applicant Assignee Information:

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

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

Signature:

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

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

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

Signature	/James E. Cole/		Date (YYYY-MM-DD)	2022-08-08
First Name	James E.	Last Name	Cole	Registration Number
				50530
Additional Signature may be generated within this form by selecting the Add button.				<input type="button" value="Add"/>

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	ZU569-22235
		Application Number	
Title of Invention	Fuel Injection Throttle Body		

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

Privacy Act Statement

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ALEXANDRIA, VIRGINIA
UNITED STATES OF AMERICA

UTILITY PATENT APPLICATION
FOR
FUEL INJECTION THROTTLE BODY
BY

DOUG FLYNN

JAMES DRALLE

AMY GIESKE

CHARLES JENCKES

COREY SPAINHOWARD

CLAIM TO PRIORITY

[0001] This continuation patent application claims priority to and benefit of, under 35 U.S.C. §120, U.S. Continuation Patent Application Serial Number 16/778,341, filed January 31, 2020, which claims priority to U.S. Divisional Patent Application Serial Number 15/986,571, filed May 22, 2018, titled “Fuel Injection Throttle Body”, which claims priority, under 35 U.S.C. §121, to U.S. Patent Application Serial Number 14/156,813, filed January 16, 2014, titled “Fuel Injection Throttle Body”, which claims priority to U.S. Provisional Application Serial Number 61/892,706, filed on October 18, 2013, titled “Fuel Injection Throttle Body”, all of which are incorporated by reference herein.

BACKGROUND OF THE INVENTION

[0002] Throttle Body Fuel Injection ("TBI") is a type of Electronic Fuel Injection ("EFI") for internal combustion engines that became main stream in factory vehicles during the 1980's. TBI Fuel Injection consists of an air metering valve that contains fuel injectors. The air metering valve allows more airflow as driver depresses gas pedal. The fuel injectors add fuel as a function of airflow. The TBI is controlled by an Electronic Control Unit ("ECU").

[0003] Factory car producers moved away from this type of fuel injection as government emissions standards increased in the mid-to-late 1980's. However, the aftermarket automotive parts industry started selling aftermarket TBI fuel injection systems in the late 1980's. These systems were designed to replace the carburetor on older carbureted vehicles from the 1960's to 1980's.

[0004] One of the limitations of many aftermarket fuel injection systems is that the end consumer has to have a significant level of knowledge on tuning the ECU that controlled these systems. Recently, technology has advanced and several companies now offer systems that are "self- tuning", where the end consumer only has to perform basic installation, and the ECU monitors various sensors and automatically tunes itself. This has caused resurgence in people purchasing TBI systems to retrofit older carbureted vehicles. The main benefit of TBI fuel injection is the fact that it can be retrofit fairly easy on older carbureted vehicles, on many different applications, as compared to other types of fuel injection methods such as Multiport EFI, which requires replacement of a multitude of original engine components.

[0005] Factory TBI system designs utilized fuel injectors that sprayed fuel at higher pressure that were placed vertically above the throttle plates of the throttle body. Mostly due to aesthetics, and available fuel injector designs, most aftermarket TBI systems place fuel injectors horizontally (or close to a horizontal position) into the sides of the throttle body. Unlike the factory TBI designs, this horizontal placement requires a throttle body design that redirects the normal fuel injector spray pattern. If fuel is not directed into the throttle body in a way that atomizes the fuel so it can

thoroughly mix with the airstream through the throttle body, the engine may not run smoothly, may not make adequate power, and may have poor fuel economy and emissions.

SUMMARY OF THE INVENTION

[0006] In order to overcome the limitations of current aftermarket TBI designs, embodiments of this invention are such, that a conventional high pressure electronically controlled fuel injector sprays into a chamber that is constrained by an annular fuel distribution ring. The annular fuel distribution ring may contain at least one radial channel and orifices coupled to the channel. The orifices allow the fuel to exit into the air stream from several positions around the circumference of an air intake in the throttle body, allowing the fuel to mix with the air and enter the engine in an optimally atomized state.

BRIEF DESCRIPTION OF THE DRAWINGS

- [0007]** FIG. 1 is a front plan view of a throttle body with annular fuel injection according to an embodiment of the invention.
- [0008]** FIG. 2 is cross-section view A-A of the throttle body of FIG. 1.
- [0009]** FIG. 3 is detail view C of the throttle body of FIG. 2.
- [0010]** FIG. 4 is cross-section view B-B of the throttle body of FIG. 1.
- [0011]** FIG. 5 is detail view D of the throttle body of FIG. 4.
- [0012]** FIG. 6 is an isometric bottom view of a throttle body with annular fuel injection according to an embodiment of the invention.
- [0013]** FIG. 7 is detail view E of the throttle body of FIG. 6.
- [0014]** FIG. 8 is an isometric top view of the annular ring element according to an embodiment of the invention.

[0015] FIG. 9 is a schematic isometric view showing the fuel injection and air flow according to an embodiment of the invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0016] Shown in FIG. 1 is an embodiment of a throttle body 100 having fuel rails 110 aligned horizontally near the bottom surface of the throttle body 100. The fuel rails 110 provide pressurized fuel to the fuel injectors 120, which couple to the throttle body 100 at fuel ports 210 (not shown). In some embodiments the fuel injectors 120 may be aligned horizontally in respect to the throttle body 100. In other embodiments the fuel injectors 120 may be aligned at an angle above or below horizontal in respect to the throttle body 100.

[0017] As shown in FIGS. 2-7, each fuel rail 110 may be coupled to one or more fuel injectors 120. Each fuel injector 120 provides fuel through a fuel port 210 into an annular ring 240 positioned in an air intake 220 of the throttle body 100 below the throttle plate 230. The annular ring 240 includes an annular fuel channel 250 for distributing fuel around the annular ring 240 to a plurality of fuel discharge orifices 260 and 270. The plurality of fuel discharge orifices 260 and 270 are configured to atomize and spray the fuel into the air intake 220 from multiple directions.

[0018] In some embodiments there may be a larger primary fuel discharge orifice 260 aligned in front of the fuel port 210 along with a plurality of smaller secondary fuel discharge orifices 270 aligned radially around the annular ring 240. In various embodiments the secondary fuel discharge orifices 270 may vary in size and shape as desired. In some embodiments the fuel discharge orifices 260 and 270 may be of circular, ovular, elliptical, and/or polygonal shapes.

[0019] In one embodiment the primary fuel discharge orifice 260 may be a 0.25 inch diameter circular orifice. In other embodiments the primary fuel discharge orifice 260 may be a 0.28 to 0.40 inch wide by 0.155 ovular-slot orifice.

[0020] In one embodiment the secondary fuel discharge orifices 270 may be 0.047 to 0.100 inch diameter circular orifices. The secondary fuel discharge orifices 270 may be spaced radially around the annular ring 240 at angular separations of 20 to 38 degrees from adjacent orifices.

[0021] In a preferred embodiment the annular ring 240 includes a 0.28 inch wide by 0.155 inch ovular-slot high primary fuel discharge orifice 260 and thirteen 0.047 inch diameter circular secondary fuel discharge orifices 270 radially spaced at 20-38 degrees apart from adjacent orifices, and centered on the primary fuel discharge orifice 260, as shown in FIG. 8.

[0022] It will be appreciated by those skilled in the art that the primary fuel discharge orifice 260 and the secondary fuel discharge orifices 270 may each be a variety of shapes having close to the same orifice opening areas as those described in the various embodiments of the invention.

[0023] During operation, air enters the throttle body 100 through an air intake 220. The flow rate of the air through the air intake 220 is regulated by the throttle plate 230, which may be controlled electromechanically by an ECU (not shown), or mechanically. Pressurized fuel flows through a fuel rail 110 and into a fuel injector 120 controlled by the ECU, which regulates the amount of fuel flowing through the fuel port 210 into the air intake 220. As shown in FIG. 9, the fuel flow exits the fuel port 210 a portion of the fuel enters the air flow 920 in the air intake 220 through the primary fuel discharge orifice 260 as atomized fuel 910. The remainder of the fuel enters the annular fuel channel 250 and exits the annular fuel channel 250 through the secondary fuel discharge orifices 270 and enters the air flow 920 in the air intake 220 as atomized fuel 910.

[0024] In preferred embodiments of the invention, 40% to 60% of the fuel enters the air intake 220 through the primary fuel discharge orifice 260.

[0025] In various embodiments the throttle body 100 may have one or more air intakes 220 with each air intake 220 including a throttle plate 230, a fuel injector 120, and an annular ring 240.

[0026] In some embodiments of the throttle body 100, the annular fuel channel 250 may be a part of the throttle body 100 rather than of part of the annular ring 240. In other embodiments the throttle body 100 and annular ring 240 may include complimentary portions of the annular fuel channel 250.

[0027] In some embodiments the inner wall air intake 220 may have a larger diameter equal to the outer diameter of the annular ring 240 near the bottom to accommodate the annular ring 240 so the inner wall of the air intake 220 and the annular ring 240 form a smooth continuous surface to aid air flow.

[0028] In some embodiments the annular ring 240 may include an annular groove 410 or other means to aid the installing and/or removing the annular ring 240 from the throttle body 100.

[0029] In various embodiments the annular ring 240 may be coupled to the throttle body 100 by one or more of a press fit, threads, a friction fit, mechanical fasteners, adhesives, and welds.

[0030] In various embodiments the annular ring 240 may be made of aluminum, steel, cast iron, other metals, plastics, composites, or other materials and/or combinations of materials suitable for throttle body applications.

[0031] In the preceding specification, various preferred exemplary embodiments have been described with reference to the accompanying drawings. It will, however, be evident that various modifications and changes may be made thereto, and additional exemplary embodiments may be implemented, without departing from the broader scope of the invention as set forth in the claims that follow. The specification and drawings are accordingly to be regarded in an illustrative rather than restrictive sense.

CLAIMS

1. A fuel injection throttle body, comprising:
 - an air intake extending through said fuel injection throttle body in a vertical orientation;
 - said air intake capable of allowing an airflow to move from an upper end to a lower end of said air intake;
 - a fuel port in said fuel injection throttle body and capable of receiving fuel from a fuel injector;
 - a fuel channel in fluid communication with said fuel port to receive said fuel;
 - a plurality of orifices disposed annularly about said air intake allowing said fuel to pass from said fuel channel into said air intake;
 - a throttle plate disposed in said air intake and rotatable on a shaft, said throttle plate movable to vary the airflow moving through the air intake; and,
 - an electronic controller which controls said fuel injector.
2. The fuel injection throttle body of Claim 1, said air intake comprising at least two air intakes.
3. The fuel injection throttle body of Claim 1, said air intake comprising four air intakes.
4. The fuel injection throttle body of Claim 1, said electronic controller disposed on a side of said fuel injection throttle body.
5. The fuel injection throttle body of Claim 1, said plurality of orifices comprising one or more sizes.
6. The fuel injection throttle body of Claim 1, further comprising a fuel ring disposed within said air intake, wherein said fuel channel is formed in said fuel injection throttle body, or said fuel ring, or both.
7. The fuel injection throttle body of Claim 6, said air intake and said fuel ring forming a smooth continuous surface.
8. A fuel injection throttle body, comprising:
 - a plurality of air intakes that extend between an upper end of said fuel injection throttle body and a lower end wherein airflow moves through from said upper end to said lower end;

each air intake of said plurality of air intakes having a fuel port disposed in said fuel injection throttle body, and capable of receiving fuel from a fuel injector;

each said fuel injector configured to be in fluid communication with a fuel supply;

a fuel channel disposed within each said air intake, said fuel channel receiving fuel from said fuel injector;

a plurality of orifices disposed in an annular ring allowing said fuel to flow from said fuel channel into said air intake;

wherein said fuel passes through said plurality of orifices and mixes with said airflow moving between said upper end and said lower end;

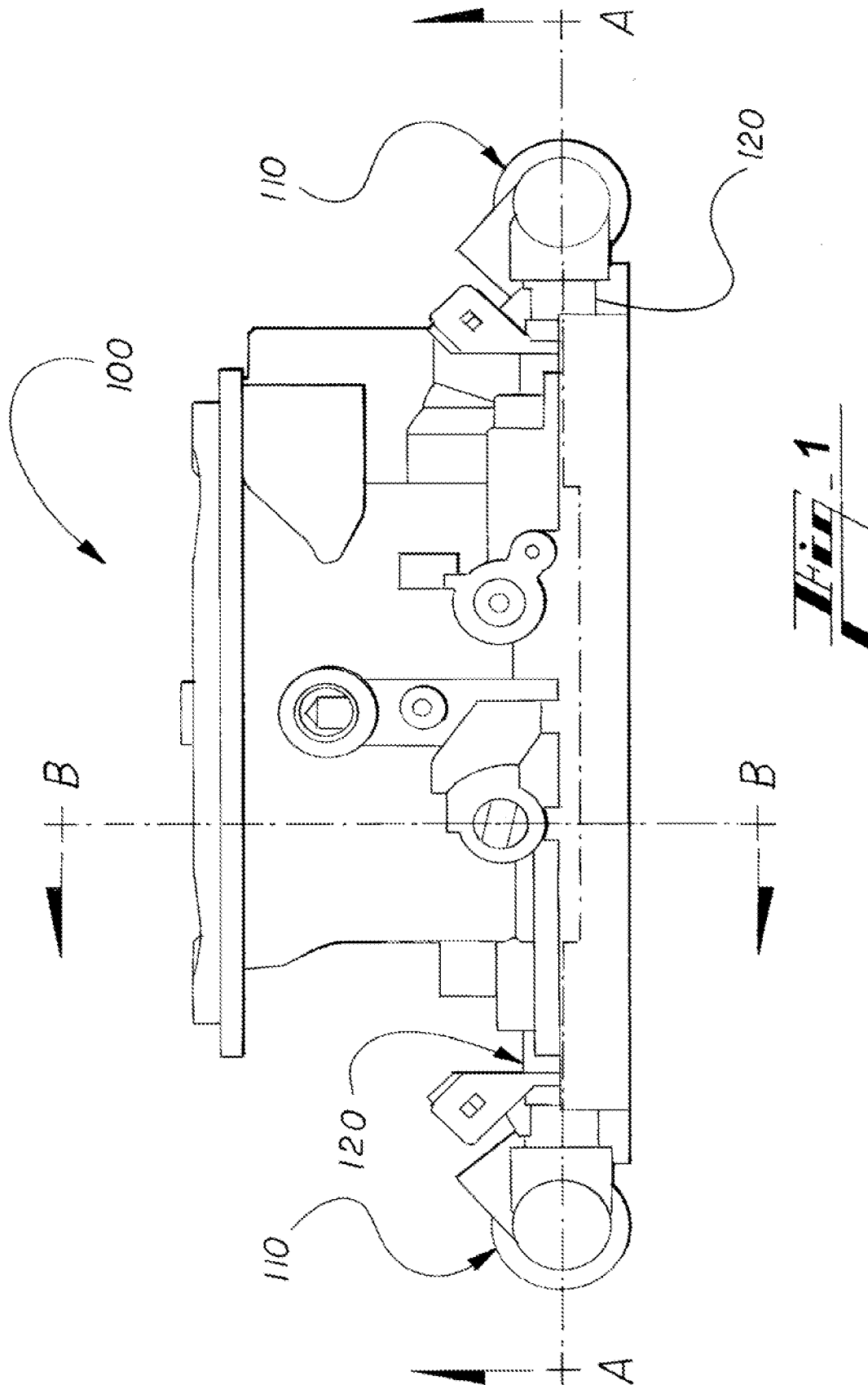
a throttle shaft having a throttle plate thereon, said throttle plate rotatably disposed within said air intake; and,

an electronic control unit to control said fuel from each said fuel injector.

9. The fuel injection throttle body of Claim 8, said plurality of air intakes comprising 2 air intakes.
10. The fuel injection throttle body of Claim 8, said plurality of air intakes comprising 4 air intakes.
11. The fuel injection throttle body of Claim 8, said plurality of orifices being one or more sizes.
12. The fuel injection throttle body of Claim 8 further comprising an annular ring disposed in each said air intake.
13. The fuel injection throttle body of Claim 12, said fuel channel formed in said fuel injection throttle body, or said annular ring, or both.
14. The fuel injection throttle body of Claim 8, said air intake having a smooth continuous surface to aid air flow.

ABSTRACT

A throttle body fuel injection system including a throttle body with at least one air intake, a fuel injector coupled to the throttle body at a fuel port and an annular ring coupled to the cylindrical inner wall of the air intake. The annular ring includes a primary fuel discharge orifice adjacent to the fuel port and a plurality of secondary fuel discharge orifices arranged radially around the annular ring for spraying atomized fuel into the air intake.



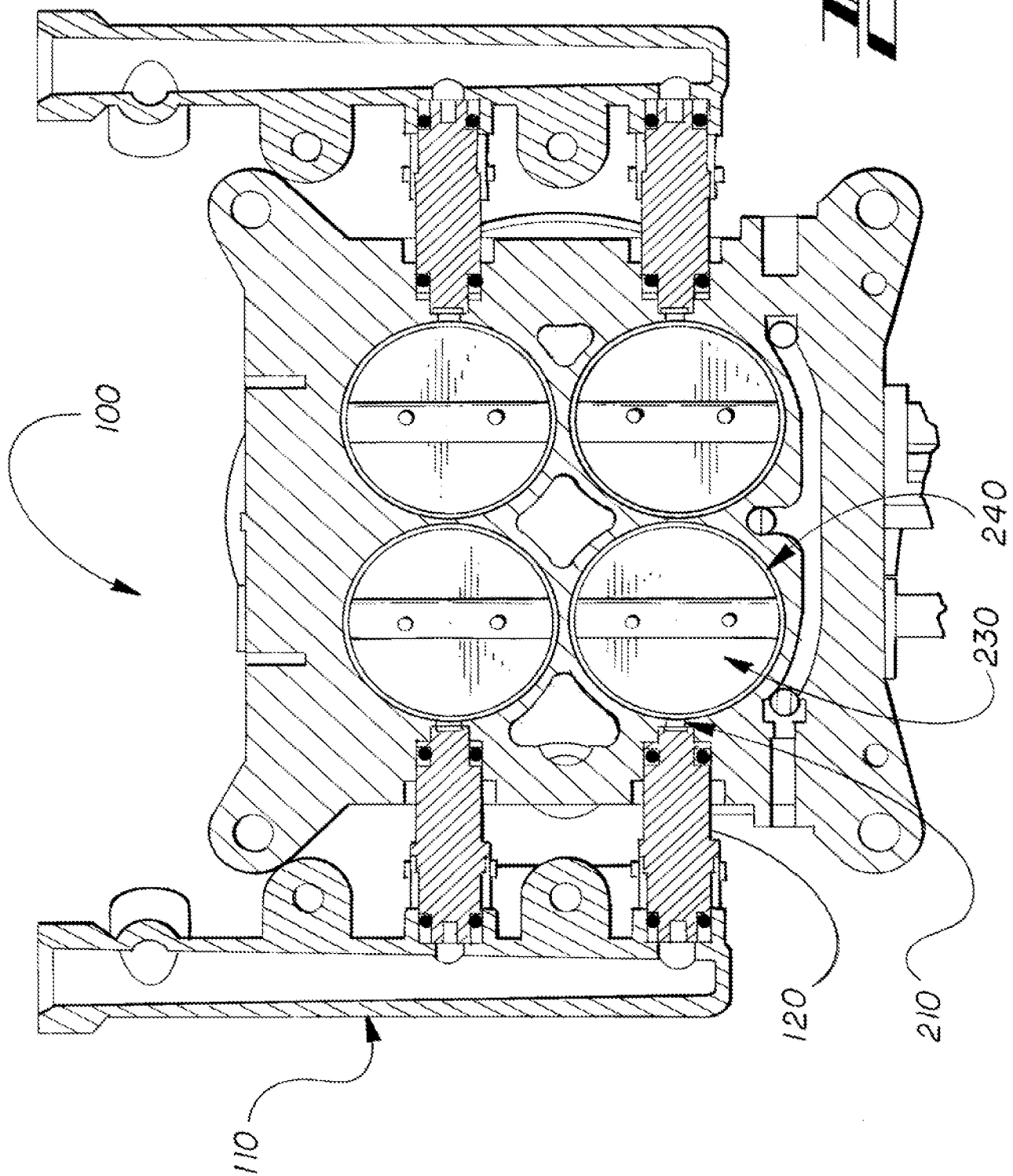


Fig. 2

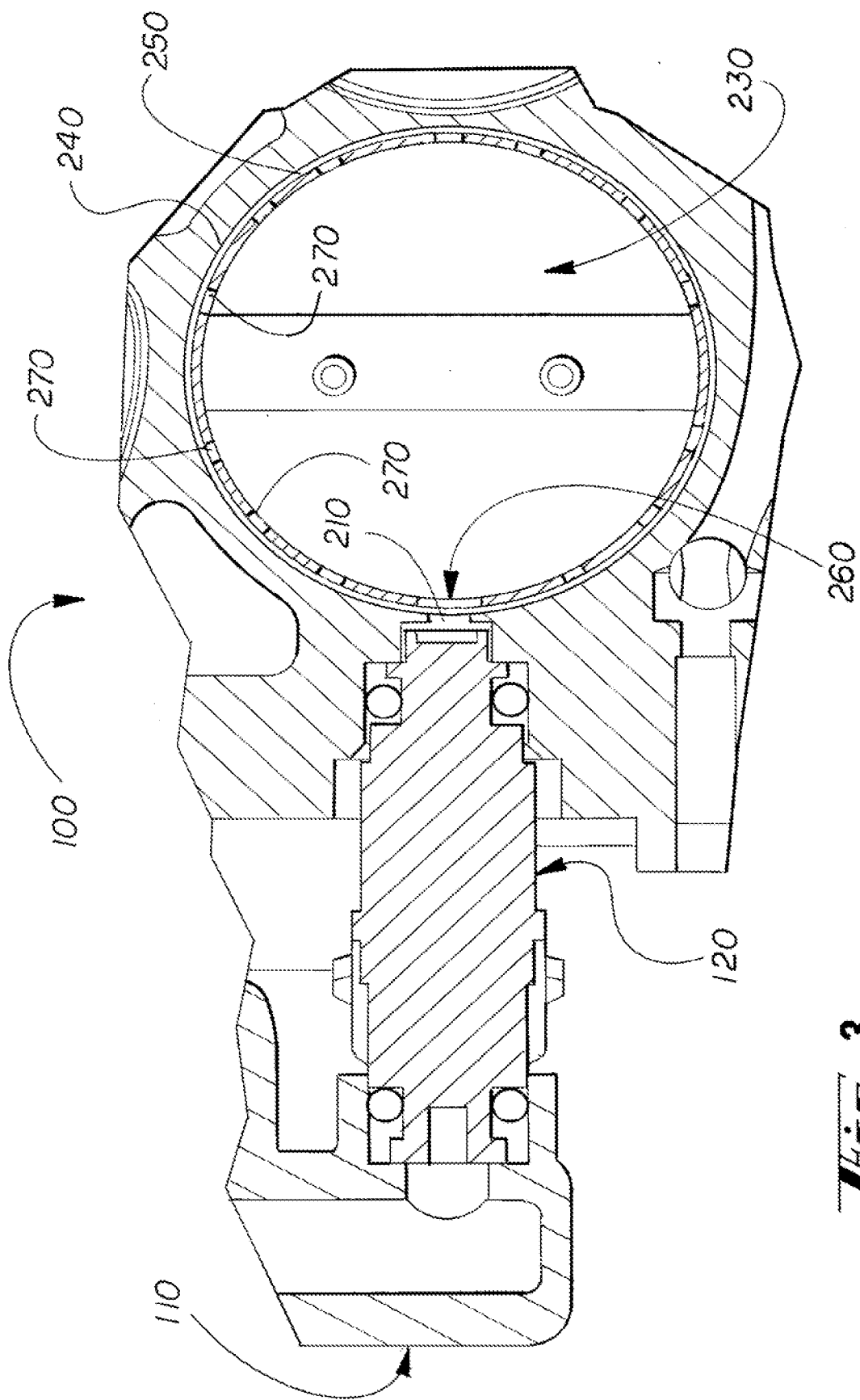
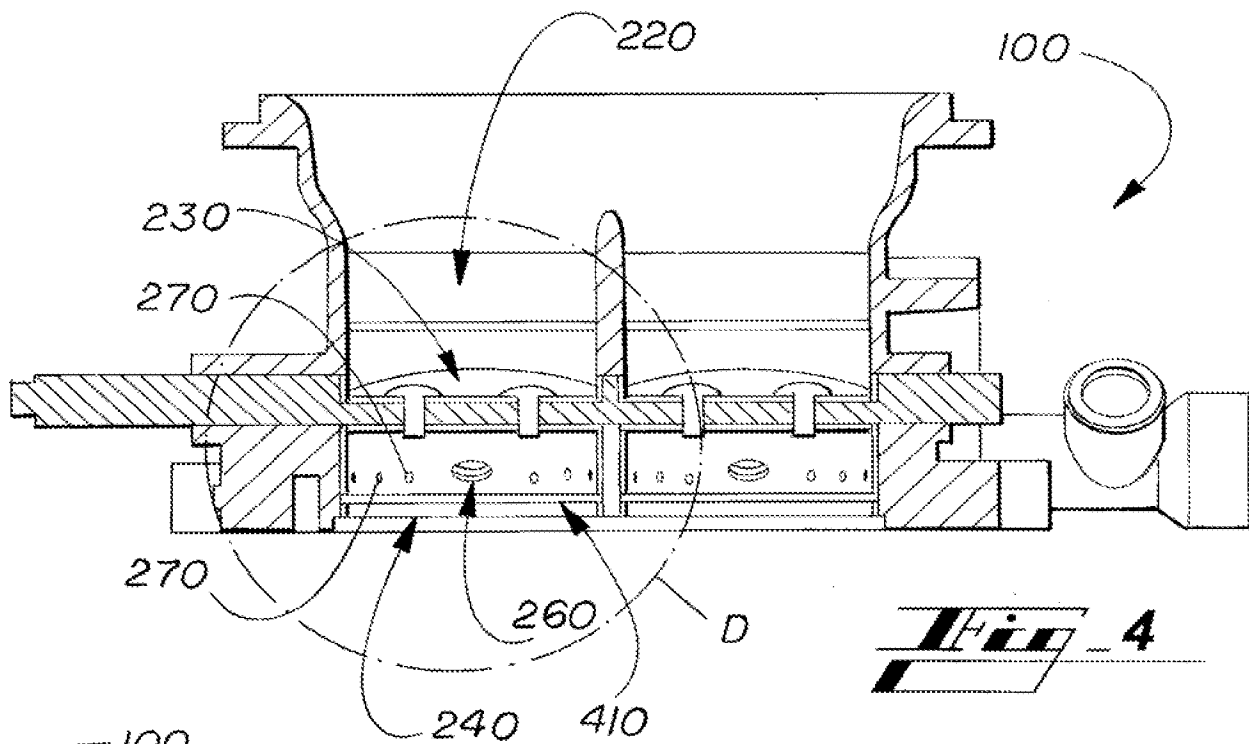
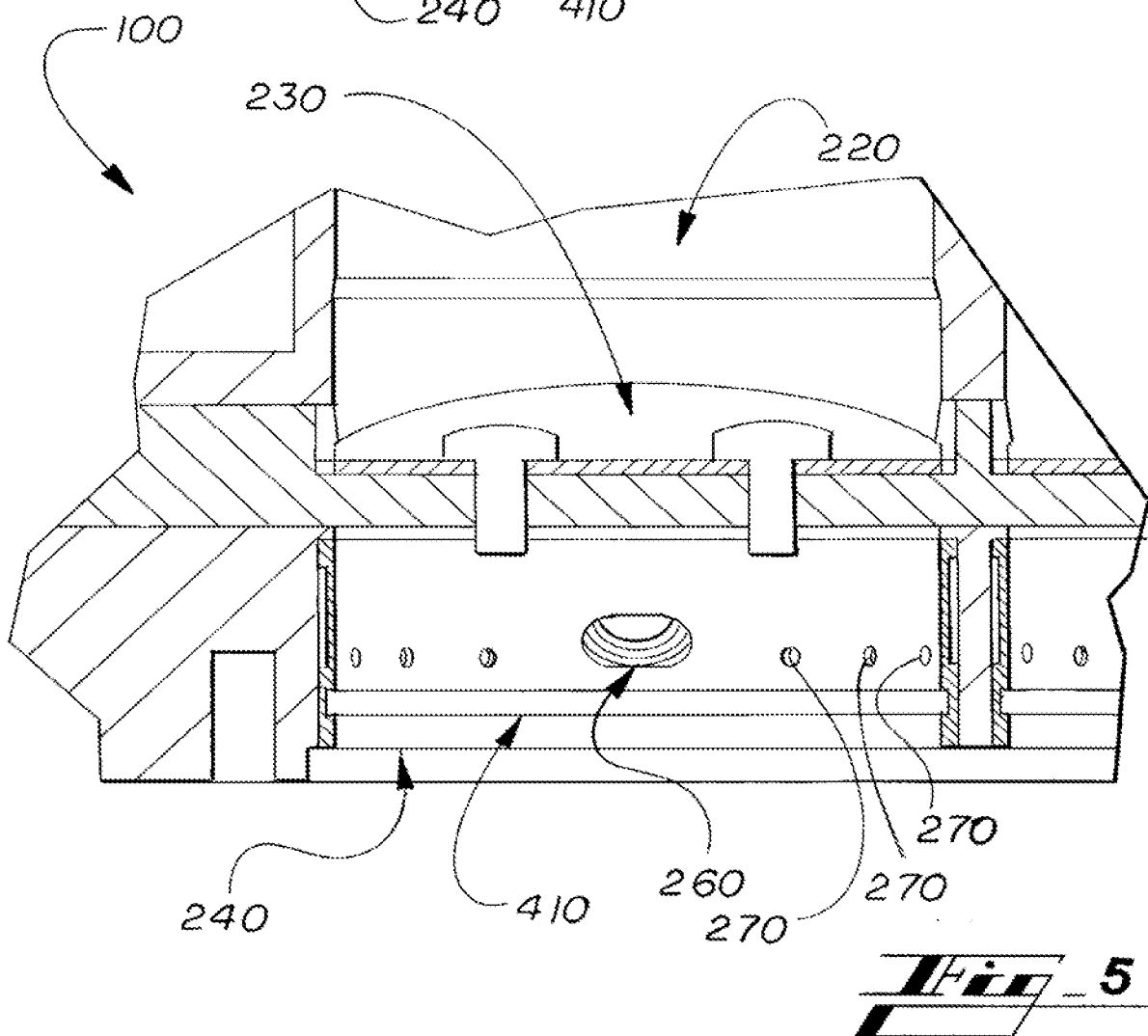


Fig. 3



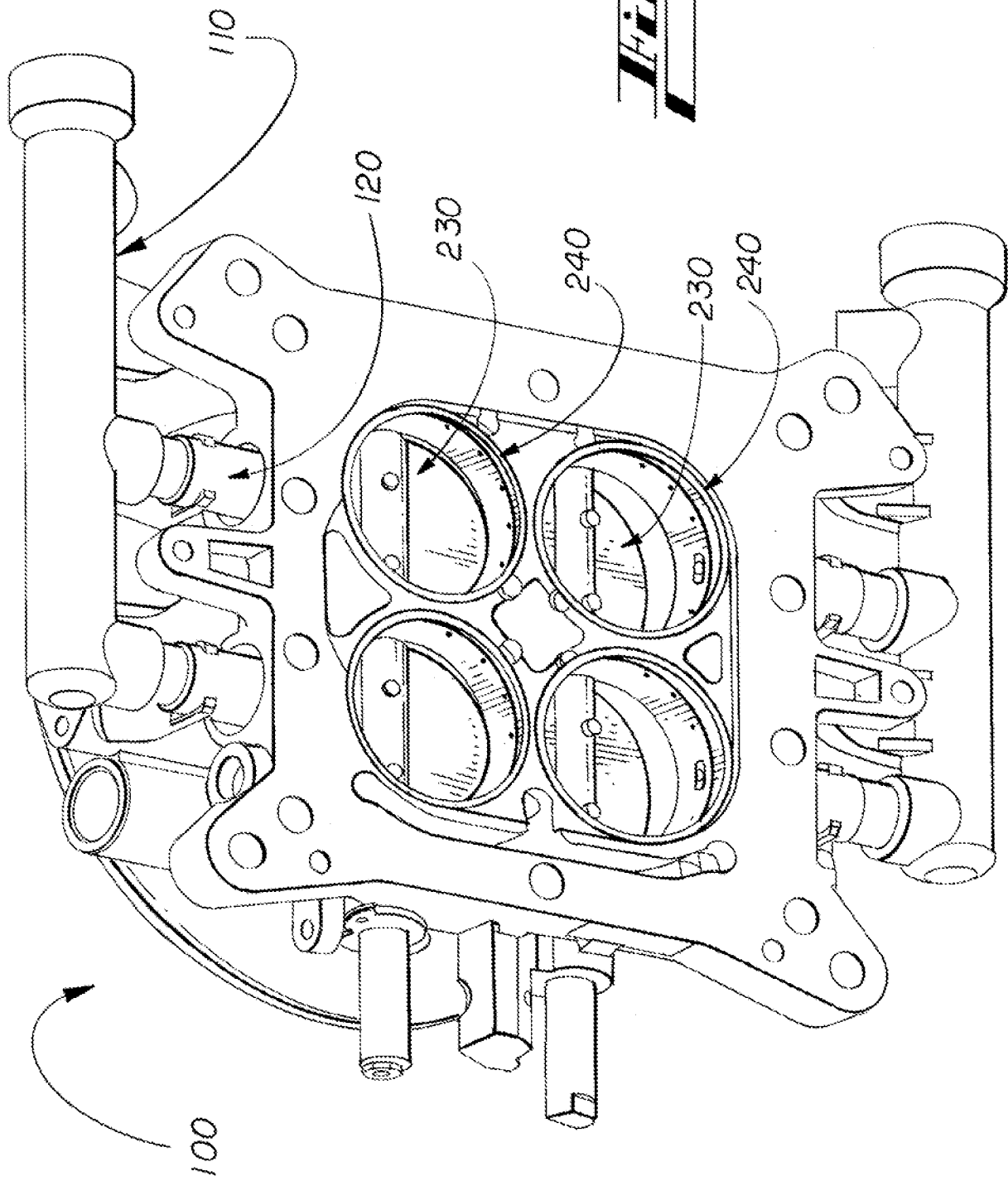
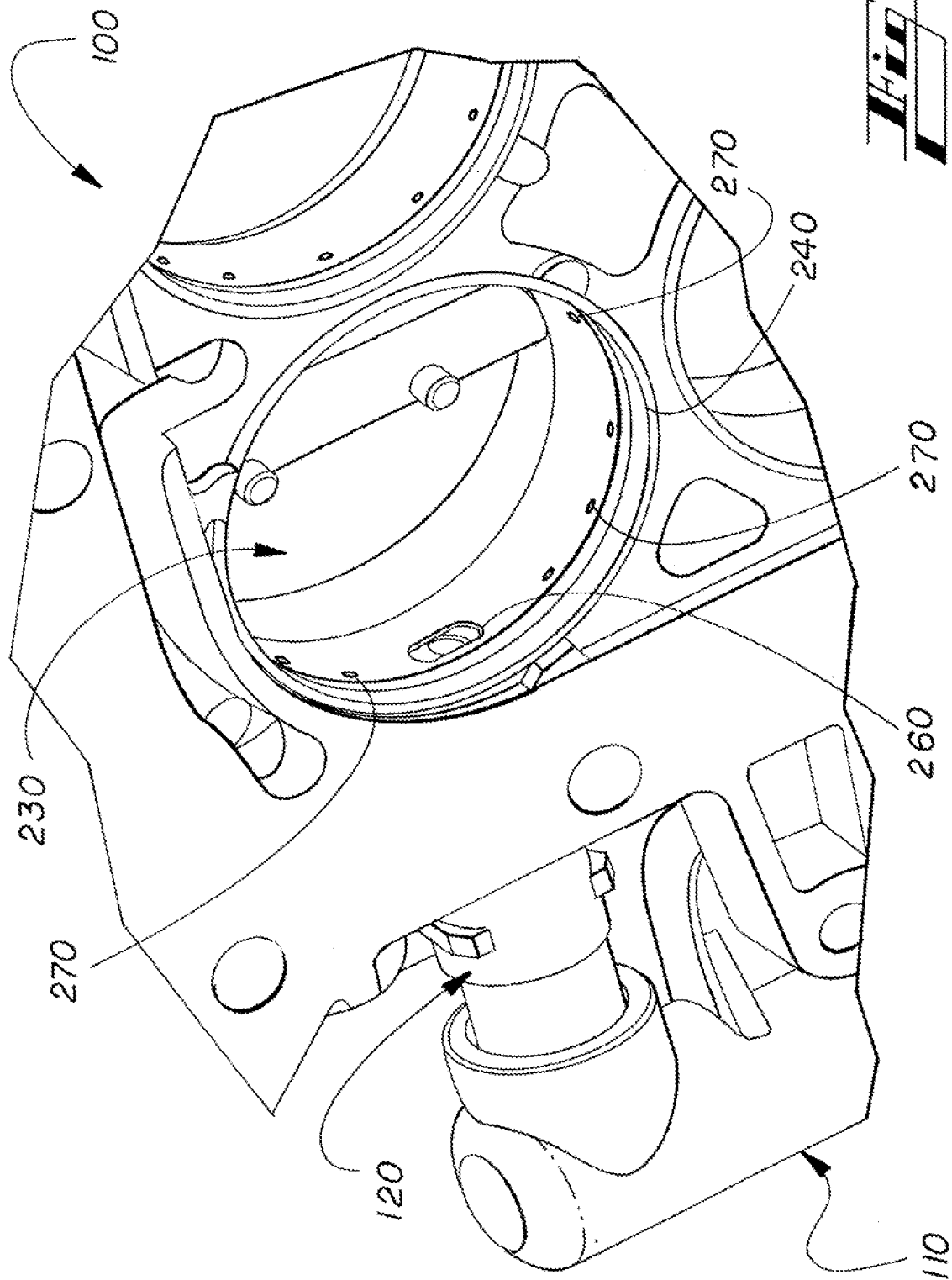
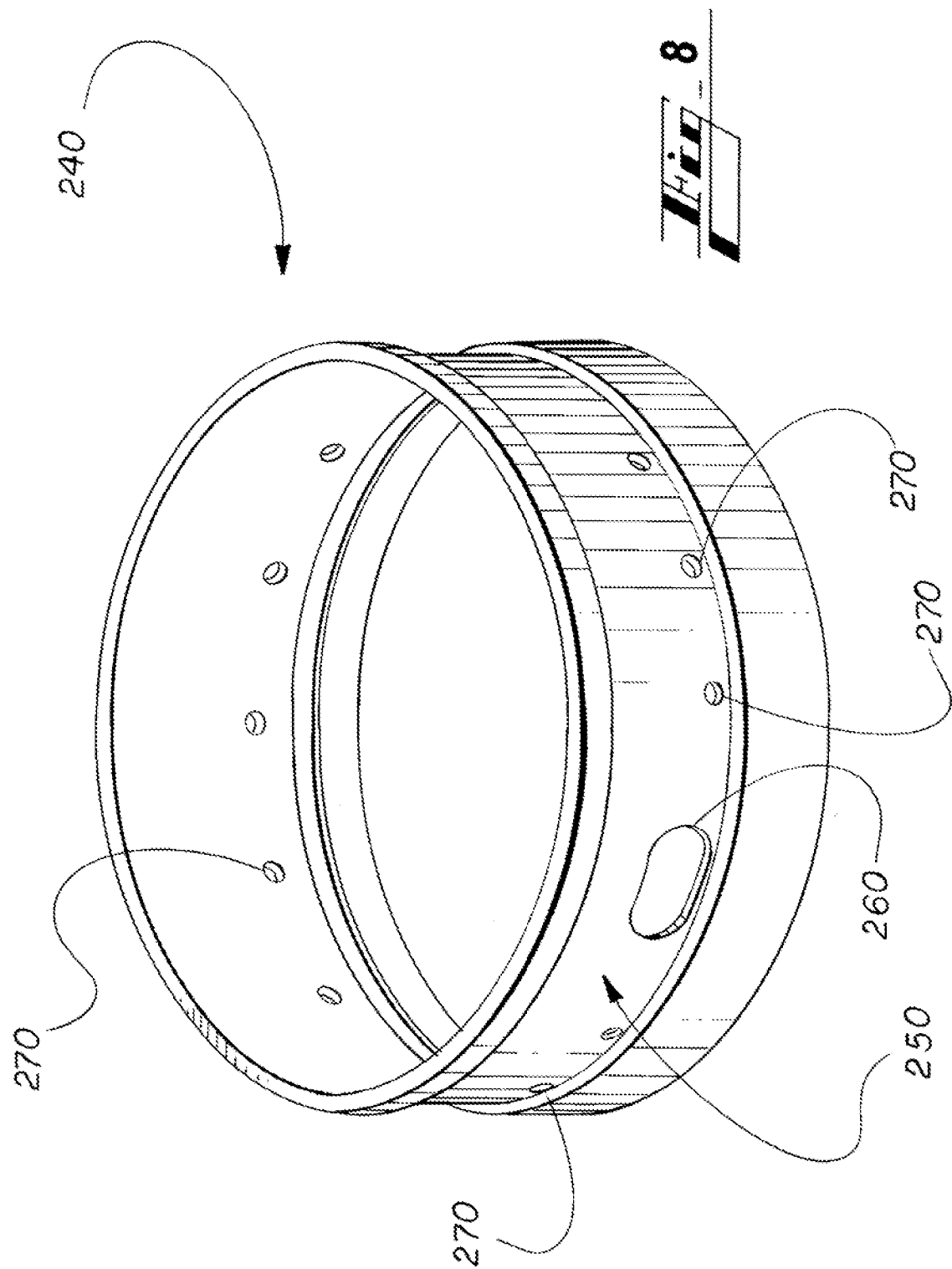


Fig. 6





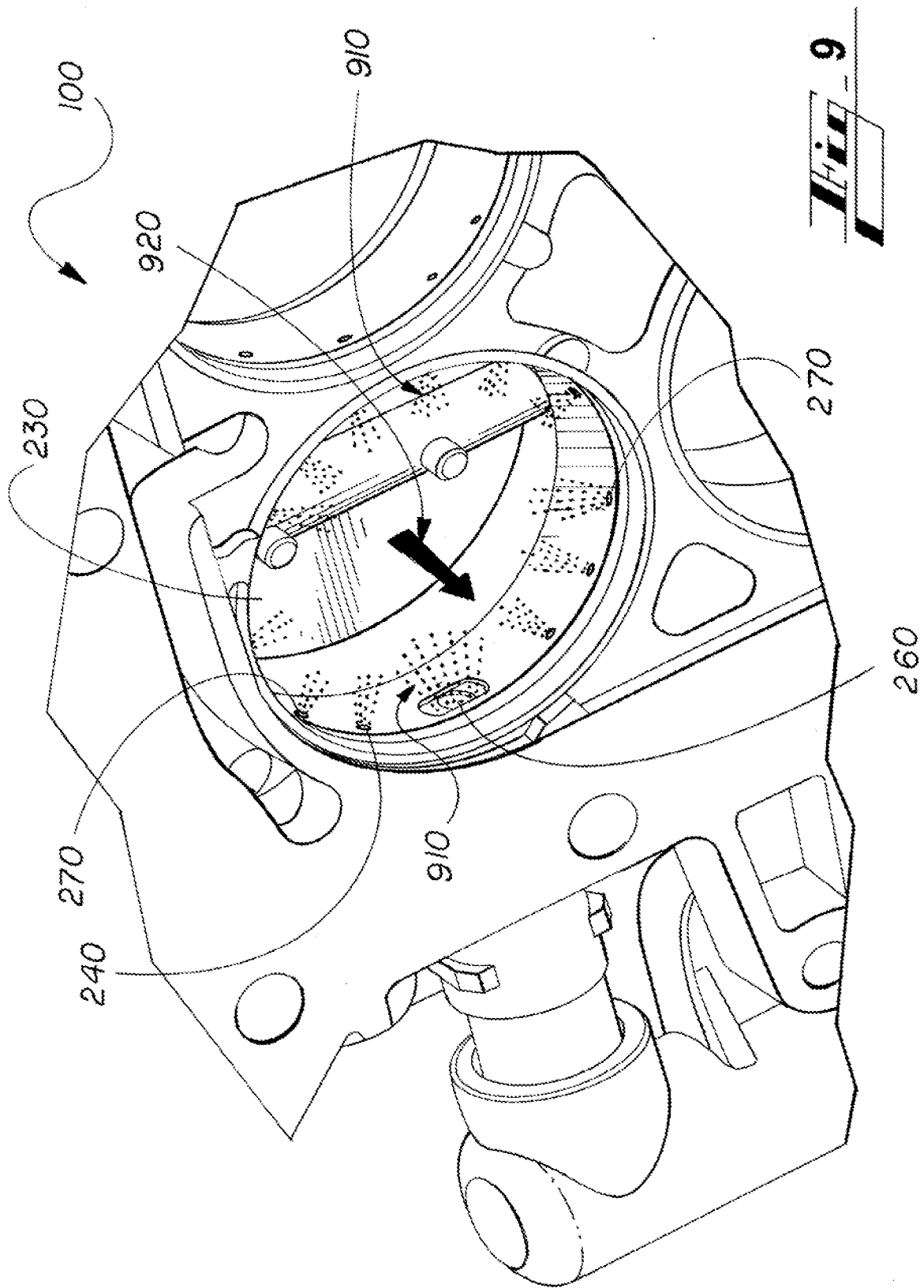


Fig. 9

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Application Number	
Filing Date	
First Named Inventor	Doug Flynn
Title	Fuel Injection Throttle Body
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	ZU569-22235

SIGNATURE of Applicant or Patent Practitioner

Signature	/James E. Cole/	Date (Optional)	
Name	James E. Cole	Registration Number	50530
Title (if Applicant is a juristic entity)	Attorney for Applicant		
Applicant Name (if Applicant is a juristic entity)	Holley Performance Products, Inc.		

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Holley Performance Products, Inc.



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



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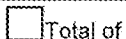
Name

Dominic Bardos

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	Filing Date		
	First Named Inventor	Flynn, Doug	
	Art Unit	TBD	
	Examiner Name	TBD	
	Attorney Docket Number	ZU569-22235	

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	2	D645058		2011-09-13	Benoit	
	3	D543555		2007-05-29	Braswell	
	4	D555668		2007-11-20	Benoit	
	5	D760804		2016-07-05	Shehan et al	
	6	D721389		2015-01-20	Gieske et al	
	7	10012197		2018-07-03	Flynn et al	
	8	10094353		2018-10-09	Bennett et al	

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Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	ZU569-22235	

9	10570866		2020-02-25	Flynn	
10	4373500		1983-02-15	Haynes	
11	1153436		1915-09-14	McCray	
12	1386036		1921-08-02	Weeks	
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14	1465449		1923-08-21	Maegly	
15	1983225		1934-12-04	Gregg	
16	2066544		1937-01-05	Shaw	
17	3659572		1972-05-02	Pelizzoni	
18	4250856		1981-02-17	Abbey	
19	3384059		1968-05-21	Kopa	

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Application Number		
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Art Unit	TBD	
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Attorney Docket Number	ZU569-22235	

20	3545948		1970-12-08	Baverstock	
21	3613650		1971-10-19	Stumpp	
22	11409894		2022-08-09	Flynn	

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	3	348732	AU		2013-05-23	Jeneckes et al		

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4	348733	AU		2013-05-23	Jeneckes et al		
5	348734	AU		2013-05-23	Jeneckes et al		
6	356762	AU		2014-08-05	Shehan et al		
7	201710470	AU		2017-02-16	Flynn et al		
8	201710471	AU		2017-02-16	Flynn et al		
9	3729599	EM		2017-01-30	Shehan et al		
10	201813353	AU		2018-08-27	Shehan et al		
11	201815034	AU		2018-09-21	Shehan et al		
12	201813355	AU		2018-08-27	Shehan et al		
13	201815036	AU		2018-09-21	Shehan et al		
14	201816624	AU		2018-12-05	Bell et al		

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15	201816623	AU	2018-12-05	Whittle	
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First Named Inventor	Flynn, Doug
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Name/Print	James E. Cole	Registration Number	50530

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