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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

142078 7590 10/17/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

EXAMINER	
WEINERTH, GIDEON R	

ART UNIT	PAPER NUMBER
3736	

NOTIFICATION DATE	DELIVERY MODE
10/17/2023	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):

IPAdmin@reinhartlaw.com

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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/132,609	17-Oct-2023	11787599

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
MILWAUKEE, WI 53202

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.
17/132,609	10/17/2023	11787599	066749-2863	8591

142078 7590 09/27/2023

Reinhart (Milwaukee Tool)
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SUITE 2100
MILWAUKEE, WI 53202

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.

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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):

Yaron Brunner, Kibbutz Gvat, ISRAEL;
Grant T. Squiers, Cudahy, WI;
Christopher S. Hoppe, Cedarburg, WI;
Steven W. Hyma, Milwaukee, WI;

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

Milwaukee Electric Tool Corporation, Brookfield, WI;

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Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 4
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.R.W/

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
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Substitute for form 1449/PTO				*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/132,609
Date Submitted: August 17, 2023				**Filing Date**	December 23, 2020
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	GIDEON R WEINERTH
Sheet	1	of	2	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,201,035	08-17-1965	Martin et al.	
	A2	9,447,804	09-20-2016	Andersson et al.	
	A3	11,192,690	12-07-2021	Brunner et al.	
	A4	11,530,716	12-20-2022	Bastian et al.	
Change(s) applied to document, /J.H./ 9/14/2023	A5	11,731,807	08-22-2023	Milwaukee Electric Tool Corporation	(Withdrawn)
	A6	2007/0012694	01-18-2007	Duvigneau	
	A7	2013/0239509	09-19-2013	Wang	
	A8	2014/0205373	07-24-2014	Andersson et al.	
	A9	2017/0120679	05-04-2017	Naiva	
	A10	2017/0143090	05-25-2017	Naiva	
	A11	2018/0031019	02-01-2018	Sjostedt et al.	
	A12	2020/0063776	02-27-2020	Bastian et al.	
	A13	2020/0146447	05-14-2020	Brendel et al.	
	A14	2022/0097926	03-31-2022	Whitmire et al.	
	A15	2023/0136626	05-04-2023	Cai et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Application Document Serial Number-Kind Code[2] (*if known*)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

NON PATENT LITERATURE DOCUMENTS

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	08/22/2023

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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 2 hours 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, 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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United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Hieu Le

Refund Accounting Date:09/06/2023

Effective Date	Sale Item Reference Number	Refund Total
06/23/2023	17132609	$1,200.00

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method	Account Number
I202396858588702	1501	UTILITY APPL ISSUE FEE	$1,200.00	DA	180882

United States Patent and Trademark Office

Office of the Chief Financial Officer

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Sale Adjustment Accounting Date:09/06/2023

Effective Date	Sale Accounting Date	Sale Item Reference Number
06/23/2023	09/06/2023	17132609

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
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Sale Item Reference Number	Effective Date
17132609	08/30/2023

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I202396900598900	1501	UTILITY APPL ISSUE FEE	$1,200.00	Deposit Account

PART B - FEE(S) TRANSMITTAL

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142078 7590 08/28/2023
Reinhart (Milwaukee Tool)
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SUITE 2100
MILWAUKEE, WI 53202

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

TITLE OF INVENTION: Utility Assembly and Coupling Mechanism

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	$1200.00	$0	11/28/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
WEINERTH, GIDEON R	3736	220-004270

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

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

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

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Reinhart Boerner Van Deuren s.c.
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
Milwaukee Electric Tool Corporation
Keter Plastic LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Brookfield, Wisconsin
Herzelyia, Israel

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

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

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

☒ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 18-0882

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29
NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

☐ Applicant asserting small entity status. See 37 CFR 1.27
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

☐ Applicant changing to regular undiscounted fee status.
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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 /Derek H. Campbell/ Date August 30, 2023

Typed or printed name Derek H. Campbell Registration No. 70,608

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 9
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Atty. Dkt. No. 066749-2863

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/132,609
Filing Date:	December 23, 2020
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No.:	8591

ISSUE FEE TRANSMITTAL

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Enclosed herewith please find Issue Fee Transmittal Form PTOL-85(B).

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

On page 5 of the Notice of Allowability dated August 28, 2023, the Examiner set forth various reasons for allowance. While the Applicant agrees that the allowed claims recite a combination of subject matter that is patentable over the cited references, the Applicant notes that the recited subject matter as well as various other subject matter and/or combinations of subject matter may be patentable for other reasons than those given by the Examiner. The Applicant expressly reserves the right to set forth additional and/or alternative reasons for patentability and/or allowance in connection with the present Application or in any other future proceeding.

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 10
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

REMARKS

The requisite fees for payment of the Issue Fee were previously paid on June 23, 2023, as reflected on "Part B – Fee(s) Transmittal" submitted herewith, which indicates that a $1200.00 issue fee payment was previously paid. Consistent with MPEP 1306, Applicant respectfully requests that the previously-paid issue fee be applied toward the issue fee now due.

These Comments on Statement of Reasons for Allowance under 37 C.F.R. § 1.104 are intended to be responsive to the Notice of Allowance dated August 28, 2023.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 18-0882.

Respectfully submitted,

Date August 30, 2023

By /Derek H. Campbell/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8374
Facsimile: (414) 298-8097

Derek H. Campbell
Attorney for Applicant
Registration No. 70,608

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 11
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/132,609	**08/30/2023 03:21:56 PM ET**	**066749-2863**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8591	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62706336	FILING DATE	12/23/2020
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-2863-Issue_Fee_Transmittal.pdf	2	Transmittal Letter	92 KB
066749-2863_PTOL.pdf	1	Issue Fee Payment (PTO-85B)	270 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-2863-Issue_Fee_Transmittal.pdf	83B0AD02A0642D136F0389459EBF38B17AC607BE3D0442EF813434B18095A6AB809A9C66F261731E7AB1BD27946806B7D9ED823D7FC20630CE99E9DF4EE23FB0

066749-2863_PTOL.pdf F7B45AFBBD3F66697874C093CC787BB9C038A007845827EA680C64761967344263EF3283D7E27873CA6F3C6C34BC6638435DCAE28B8174F54E5F354170351F4A

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.

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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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OPAP LHDTSV-4 AUG 3 0 2023 PATENT & TRADEMARK OFFICE

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EXAMINER	ART UNIT	CLASS-SUBCLASS
WEINERTH, GIDEON R	3736	220-004270

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1 Reinhart Boerner Van Deuren s.c.
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(A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Milwaukee Electric Tool Corporation	Brookfield, Wisconsin
Keter Plastic LTD.	Herzelyia, Israel

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

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

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

☒ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

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Authorized Signature /Derek H. Campbell/ Date August 30, 2023

Typed or printed name Derek H. Campbell Registration No. 70,608

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 14
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142078 7590 08/28/2023

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EXAMINER	
WEINERTH, GIDEON R	
ART UNIT	**PAPER NUMBER**
3736	

DATE MAILED: 08/28/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

TITLE OF INVENTION: Utility Assembly and Coupling Mechanism

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	$1200.00	$0	11/28/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PTOL-85 (Rev. 02/11)

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

142078 7590 08/28/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

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nonprovisional	UNDISCOUNTED	$1200	$0.00	$1200.00	$0	11/28/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
WEINERTH, GIDEON R	3736	220-004270

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

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

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

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

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

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

❑ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 16
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

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

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EXAMINER	
WEINERTH, GIDEON R	
ART UNIT	**PAPER NUMBER**
3736	

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

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

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

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

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 17/132,609	Applicant(s) Brunner et al.	
	Examiner GIDEON R WEINERTH	Art Unit 3736	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 8/17/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

   Certified copies:

   a) ☐ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 5/16/2023.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☑ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/GIDEON R WEINERTH/
Examiner, Art Unit 3736

Continuation of 3. The allowed claim(s) is/are: 21-26,28-29,31-32 and 35-39

EXAMINER'S AMENDMENT

1. 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.

The application has been amended as follows: Claim 21 is amended to clarify the latch recess is elongated along a first lateral axis PARALLEL to the front face of the first utility module as shown below. Claim 28 is amended to provide proper antecedent basis for the longitudinal axis.

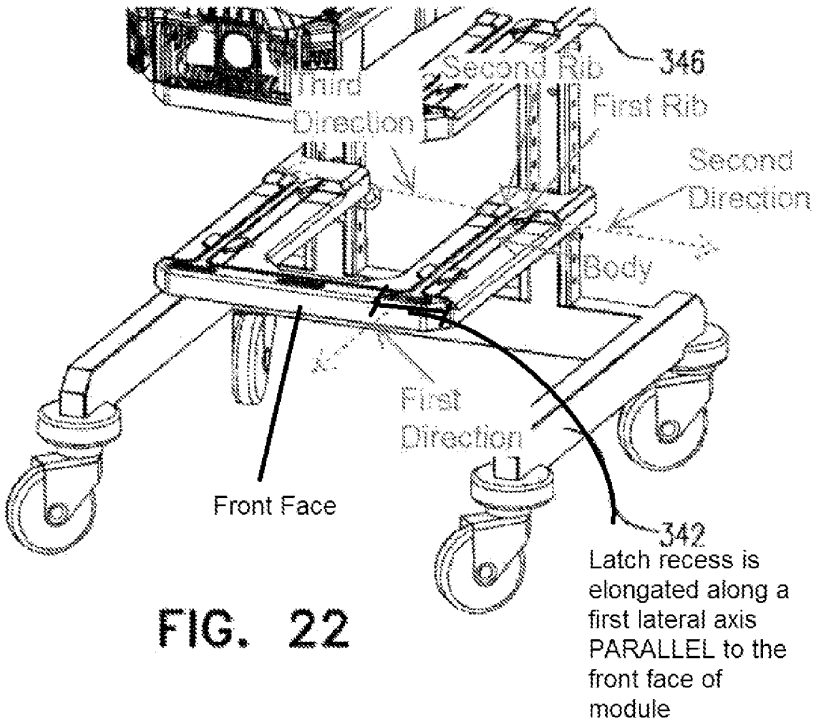


FIG. 22

21. (Examiner's Amendment) A utility module assembly comprising:

a first utility module comprising:

a front face;

a plurality of female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the front face of the first utility module and a rear row of at least two female couplers aligned with each other in the direction parallel to the front face of the first utility module, a first female coupler of the plurality of female couplers comprising a first rib extending in a first direction from a wall above and parallel to an upper face of the first utility module and a second female coupler of the plurality of female couplers comprising a second rib extending opposite the first direction from the wall above and parallel to the upper face of the first utility module, wherein the first rib and the second rib each extend away from each other, and

a latch recess elongated along a first lateral axis ~~perpendicular~~ **parallel** to the front face of the first utility module, the latch recess comprising a depressed surface; and

a second utility module comprising:

a front face;

a plurality of male couplers comprising a front row of at least two male couplers aligned with each other in a direction parallel to the front face of the second utility module and a rear row of at least two male couplers aligned with each other in the direction parallel to the front face of the second utility module, each of the male couplers extending from a bottom face of the second utility module, each of the male couplers comprising a first tongue extending above and parallel to the bottom face of the second utility module, the first tongue configured for arresting engagement between one of the first ribs and the upper face of the first utility module, and

a latch configured to be received in the latch recess, wherein the latch prevents disengagement of the second utility module from the first utility module when one of the first tongues is arrestingly engaged between one of the first ribs and the upper face of the first utility module, the latch interfacing with the depressed surface of the latch recess when the latch is received in the latch recess.

28. (Examiner's Amendment) A coupling platform for a connectable utility module comprising:

a body extending longitudinally along a first longitudinal axis in a first direction, the body defining a first width perpendicular to the first longitudinal axis;

a first rib extending away from the body and the first longitudinal axis along a first lateral axis in a second direction perpendicular to the first direction, the first rib configured to

arrestingly engage between a first face of a utility module and a first male coupler extending from the first face of the utility module, the first male coupler comprising a first tongue extending above and parallel to the first face of the utility module;

a second rib extending away from the body and the first longitudinal axis along the first lateral axis in a third direction opposite the second direction and perpendicular to the first direction, the second rib configured to arrestingly engage between the first face of the utility module and a second male coupler extending from the first face of the utility module, the second male coupler comprising a second tongue extending above and parallel to the first face of the utility module, a second width defined by the first rib and the second rib that is perpendicular to the first longitudinal axis and that is greater than the first width;

a third rib extending away from the body and the first longitudinal axis along a second lateral axis in a fourth direction parallel to the second direction, the third rib configured to arrestingly engage between the first face of the utility module and a third male coupler extending from the first face of the utility module, the first male coupler comprising a third tongue extending above and parallel to the first face of the utility module, the third male coupler distinct from the first male coupler; and

a fourth rib extending away from the body and the first longitudinal axis along the second lateral axis in a fifth direction opposite the fourth direction, the fourth rib configured to arrestingly engage between the first face of the utility module and a fourth male coupler extending from the first face of the utility module, the fourth male coupler comprising a fourth tongue extending above and parallel to the first face of the utility module, the fourth male coupler distinct from the second male coupler, a third width defined by the third rib and the fourth rib that is perpendicular to the first longitudinal axis and that is greater than the first width; and

a latch recess in the body and positioned along the **first** longitudinal axis, the latch recess elongated along a third lateral axis perpendicular to the first longitudinal axis, the latch recess configured to receive a latch in a locked position in which the latch prevents disengagement of the body from the utility module when the first rib is engaged between the first face and the first male coupler, the second rib is engaged between the first face and the second male coupler, the third rib is engaged between the first face and the third male coupler, and the fourth rib is engaged between the first face and the fourth male coupler, the latch recess comprising a

depressed surface configured to interface with the latch when the latch is received in the latch recess.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: The present claims involve a novel rib engagement system in combination with an elongated locking latch not suggested by the prior art. Furthermore, the embodiment seen in Figure 22 requires only opposing pairs of ribs in a minimum 2x2 female coupler arrangement in conjunction with the elongated latch recess that is distinct from the previously patented subject matter.

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."

Furthermore, the additional IDS of May 16, 2023 and August 17, 2023 does not change the determination of allowability.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GIDEON R. WEINERTH whose telephone number is (571)270-5121. The examiner can normally be reached Monday-Friday 10AM-6PM EST.

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, Greg Pickett can be reached on (571) 272-4560. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/GIDEON R WEINERTH/
Examiner, Art Unit 3736

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

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

CLAIMS

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

CLAIM		DATE								
Final	Original	07/18/2021	01/07/2022	06/18/2022	10/26/2022	02/13/2023				
	21	✓	✓	✓	✓	=				
	22	✓	✓	✓	✓	=				
	23	✓	✓	✓	✓	=				
	24	✓	✓	✓	✓	=				
	25	✓	✓	✓	✓	=				
	26	✓	✓	✓	✓	=				
	27	✓	✓	-	-	-				
	28	✓	✓	✓	✓	=				
	29	✓	✓	✓	✓	=				
	30	✓	✓	-	-	-				
	31	✓	✓	✓	✓	=				
	32	✓	✓	✓	✓	=				
	33	✓	✓	✓	✓	-				
	34		✓	✓	✓	-				
	35		✓	✓	✓	=				
	36		✓	✓	✓	=				
	37		✓	✓	✓	=				
	38				✓	=				
	39				✓	=				

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

CPC						
Symbol					**Type**	**Version**
B65D	/	21	/	0223	F	2013-01-01
A45C	/	7	/	005	I	2013-01-01
A45C	/	13	/	02	I	2013-01-01
A45F	/	3	/	10	I	2013-01-01
B25H	/	1	/	04	I	2013-01-01
B25H	/	3	/	02	I	2013-01-01
B25H	/	3	/	021	I	2013-01-01
B62B	/	1	/	14	I	2013-01-01
B65D	/	21	/	0209	I	2013-01-01
B65D	/	21	/	0228	I	2013-01-01
A45C	/	5	/	14	I	2013-01-01
B65H	/	2701	/	533	A	2013-01-01
A45C	/	7	/	0045	A	2013-01-01
B25H	/	3	/	023	A	2013-01-01
B62B	/	5	/	067	A	2013-01-01
B65D	/	2255	/	00	A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	22 August 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230822

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 27
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

INTERNATIONAL CLASSIFICATION				
CLAIMED				
B25H	/	3	/	00
B25H	/	3	/	04
B65D	/	21	/	02

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
280	47.26	47.19				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	22 August 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230822

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 28
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

☐ 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
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	2		11		20	9	29	7	38						
	3		12	1	21		30	15	39						
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	9		18		27	11	36								

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	22 August 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230822

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 29
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	Date	Examiner

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	/GIDEON R WEINERTH/ Examiner, Art Unit 3736

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 30
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

A45C5/14	03/11/2021	GW
A45C7/005,0045	03/11/2021	GW
A45C13/02	03/11/2021	GW
B25H3/02,021,023	03/11/2021	GW
B62B1/14	03/11/2021	GW
B62B5/067	03/11/2021	GW
B65D21/0223,0209,0228	03/11/2021	GW
B65D2255/00	03/11/2021	GW
B25H1/04	03/11/2021	GW
B65H2701/533	03/11/2021	GW
Update Search	07/17/2021	GW
B25H3/023	01/05/2022	GW
B65D21/02	01/05/2022	GW
A45F2005/026	06/16/2022	GW
A62B7/10	06/16/2022	GW
A62B9/04	06/16/2022	GW
A62B18/006	06/16/2022	GW
A62B25/00	06/16/2022	GW
A63H33/062,08,084,086	06/16/2022	GW
F16B21/09	06/16/2022	GW
F16B2/20	06/16/2022	GW
F16M11/041,40,10	06/16/2022	GW
H01R13/627,6271,6272,6273,62787	06/16/2022	GW
B60R11/00,02	10/25/2022	GW
A45C7/0045	02/11/2023	GW
A47B87/02,0292	02/11/2023	GW
B65D21/0204,0217	02/11/2023	GW
B25H3/021,023,027,028,04,06	02/11/2023	GW

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	/GIDEON R WEINERTH/ Examiner, Art Unit 3736

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 31
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
312	111,199,108	01/05/2022	GW
24	598.4	06/16/2022	GW
246	220.1,224.51	06/16/2022	GW
224	547	10/25/2022	GW
206	509	02/11/2023	GW
220	23.4,23.6,23.83,4.27	02/11/2023	GW
280	47.17,47.18,47.19,47.24.	02/11/2023	GW

* 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**
Inventor search, IDS Search, update search from applications 15826201, 15826232, 16216724, 16752441	03/11/2021	GW
Update search, cross reference from prior applications	10/25/2022	GW
Update search, Inventor search AI MLTD search	02/11/2023	GW
Update search for IDS of 5/16/2023	05/31/2023	GW
Update search for IDS of 8/17/2023	08/22/2023	GW

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	/GIDEON R WEINERTH/ Examiner, Art Unit 3736

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 32
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
A45C5	14	02/11/2023	GW
A45C7	005,0045	02/11/2023	GW
A45C13	02	02/11/2023	GW
A47B87	02,0292	02/11/2023	GW
B25H1	04	02/11/2023	GW
B25H3	02,021,023,027,028,04,06	02/11/2023	GW
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B65D2255	00	02/11/2023	GW
B65H2701	533	02/11/2023	GW
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312	111	02/11/2023	GW

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	/GIDEON R WEINERTH/ Examiner, Art Unit 3736

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 33
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.R.W/

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO				*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/132,609
Date Submitted: August 17, 2023				**Filing Date**	December 23, 2020
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	GIDEON R WEINERTH
Sheet	1	of	2	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,201,035	08-17-1965	Martin et al.	
	A2	9,447,804	09-20-2016	Andersson et al.	
	A3	11,192,690	12-07-2021	Brunner et al.	
	A4	11,530,716	12-20-2022	Bastian et al.	
	A5	11,731,807	08-22-2023	Milwaukee Electric Tool Corporation	
	A6	2007/0012694	01-18-2007	Duvigneau	
	A7	2013/0239509	09-19-2013	Wang	
	A8	2014/0205373	07-24-2014	Andersson et al.	
	A9	2017/0120679	05-04-2017	Naiva	
	A10	2017/0143090	05-25-2017	Naiva	
	A11	2018/0031019	02-01-2018	Sjostedt et al.	
	A12	2020/0063776	02-27-2020	Bastian et al.	
	A13	2020/0146447	05-14-2020	Brendel et al.	
	A14	2022/0097926	03-31-2022	Whitmire et al.	
	A15	2023/0136626	05-04-2023	Cai et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Application Document Serial Number-Kind Code[2] (*if known*)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

NON PATENT LITERATURE DOCUMENTS

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	08/22/2023

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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 2 hours 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, 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 (1-800-786-9199) and select option 2.

PTO/SB/08 (09-06)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/132,609
				Filing Date	December 23, 2020
Date Submitted: August 17, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	GIDEON R WEINERTH
Sheet	2	of	2	Attorney Docket Number	066749-2863

Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	08/22/2023

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1051	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	(USPAT)	OR	ON	ON	2021/03/05 12:56 AM
L2	76	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L3	65	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
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		7044484-$ | US-					
		7066475-$ | US-					
		7147243-$ | US-					
		7263742-$ | US-					
		7367571-$ | US-					
		7503569-$ | US-					
		7658887-$ | US-					
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		7841144-$ | US-					
		8028845-$ | US-					
		8132819-$ | US-					
		8177463-$ | US-					
		8191910-$ | US-					
		8448829-$ | US-					
		8454033-$ | US-					
		8459495-$ | US-					
		8505729-$ | US-					
		8567796-$ | US-					
		8677661-$ | US-					
		8689396-$ | US-					
		8714355-$ | US-					
		8813960-$ | US-					

		8875888-$ | US- 8979100-$ | US- 8985922-$ | US- 9132543-$ | US- 9506489-$ | US- 9511491-$ | US- 9566990-$ | US- 9616562-$ | US- 9643629-$ | US- 9701443-$ | US- 9725209-$ | US- 9872562-$ | US- D232798-$ | US- D319016-$ | US- D325324-$ | US- D326815-$ | US- D340167-$ | US- D352208-$ | US- D361511-$ | US- D395533-$ | US- D415393-$ | US- D420860-$ | US- D437669-$ | US- D456972-$ | US- D525789-$ | US- D527225-$ | US- D536580-$ | US- D630851-$ | US- D649350-$ | US- D653832-$ | US- D661858-$ | US- D663952-$ | US- D664354-$ | US- D668869-$ | US- D674605-$ | US- D701696-$ | US- D738105-$ | US- D738106-$ | US- D753394-$ | US- D753395-$ | US- D753396-$ | US- D765974-$ | US- D770179-$ | US- D777426-$ | US- D784089-$ | US- D790221-$ | US- D803631-$ | US- D806483-$ | US- D814187-$ | US- D815831-$ | US- D816334-$ | US- D826510-$ | US- D828671-$ | US- D831352-$ | US- D833744-$ | US- D836995-$ | US- D837515-$ | US- D839681-$ | US-					

		D845080-$ | US-D845081-$ | US-D857387-$ | US-D871013-$ | US-D873085-$ | US-D880252-$ | US-D880951-$ | US-D883752-$ | US-D887788-$ | US-D888422-$ | US-D888503-$ | US-D891193-$ | US-D891195-$ | US-D891875-$ | US-D892565-$).DID.					
L23	5	(US-D895375-$ | US-D895966-$ | US-D895967-$ | US-D896517-$ | US-D896518-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:41 PM
L24	2	(("9850029") or ("20120074022")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 04:42 PM
L25	12	("1882756" | "2361079" | "2374037" | "2488067" | "3985409" | "4621308" | "7278234").PN. OR ("9850029").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L26	1056	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	(USPAT)	OR	ON	ON	2021/03/11 04:42 PM
L27	76	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L28	65	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L29	99	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L30	174	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L31	570	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:44 PM
L32	412	B65D21/0223.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:44 PM
L33	2264	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L34	96	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L35	3426	A45C13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM

L36	947	B25H1/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L37	1369	B25H3/02,021.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L38	1162	B62B1/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L39	753	B65D21/0209,0228.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L40	382	A45C7/0045.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L41	476	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L42	979	B62B5/067.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L43	45	B65D2255/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L44	209	B65H2701/533.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L45	160	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20100052276" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:12 PM

		"20100139566" | "20100147642" | "20100219193" | "20110073516" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925").PN. OR ("6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707"					

		| "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888" | "8985922" | "9132543" | "9506489" | "9566990" | "9616562" | "9643629" | "9701443" | "9872562" | "D525789" | "D630851" | "D663952" | "D664354" | "D674605" | "D701696" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D833744" | "D837515").PN. OR ("10583962").URPN.					
L46	364	("2430200").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:24 PM
L47	10	(("0713577") or ("1015584") or ("0213740") or ("2371856") or ("2360933")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:26 PM
L48	1	("20200223585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:28 PM
L49	0	("2020/0223585").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:28 PM
L50	8	("2019/0002004").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:30 PM
L51	0	("2020/0029543").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:42 PM
L52	47	("3606372"|"4170801"|"9832985"|"4643302"|"6119858"|"20090165358"|"7415794"|"1980104"|"20140165450"|"20150021871"|"3138891"|"4918853"|"5159777"|"5203815"|"20150021871"|"10375944"|"20070045973"|"20140068998"|"20150150231"|"2097185"|"0908903"|"20050235552"|"20130255132"|"2640622"|"3802113"|"2591	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:43 PM

		674"|"20050034949"|"2650449"|"D451670"|"10149537"|"3399009"|"4858366"|"5319874"|"6467779"|"10624454"|"20110239525"|"20140175092"|"5340135"|"6283288").PN.					
L53	67	("3194426" | "3642337" | "4192562" | "4893719" | "5263576" | "5299688" | "5310071").PN. OR ("5890613").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:47 PM
L54	20	(("0193339") or ("0505110") or ("0512496") or ("0841872") or ("0891110") or ("1565993") or ("1721558") or ("1965175") or ("2735608") or ("2860024")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:50 PM
L55	29	("1084360").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:52 PM
L56	13	("3379482").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:57 PM
L57	8	("2017/0165828").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:59 PM
L58	8	("2019/0225371").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:04 PM
L59	7	("2011/0139777").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:06 PM
L60	15	("2005/0199522").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:08 PM
L61	8	("2018/0044059").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:12 PM
L62	33	("0299381" | "1281299" | "2758798" | "2776792" | "3182856" | "3339608" | "3533541" | "3599828" | "3642337" | "3650553" | "3842981" | "3982676" | "4408812" | "4566588" | "4681219" | "4711353").PN. OR ("4817809").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 06:15 PM
L63	17	("20030005594" | "2271928" | "2345312" | "2963946" | "3537697" | "4817809" | "4968012" | "5107599" | "5244300" | "5481811" | "5829151" | "6298572" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 06:15 PM

		"8621761").PN. OR ("10933501").URPN.					
L64	8	(("0287473") or ("0340567") or ("0664043") or ("1632243")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 06:17 PM
L65	0	("2018/0079580").URPN.	(USPAT)	OR	ON	ON	2021/03/11 10:04 PM
L66	0	("2020/0243925").URPN.	(USPAT)	OR	ON	ON	2021/03/11 10:25 PM
L67	103	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:26 PM
L68	61	("0511617" | "1890000" | "2492697" | "2557630" | "2807387" | "3203744" | "3283915" | "3514170" | "3743372" | "3758181" | "3918781" | "3999818" | "4026615" | "4056295" | "4120549").PN. OR ("4243279").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:29 PM
L69	14	("3899229" | "4054344" | "4087145" | "4216857" | "4243279" | "D238401" | "D247794").PN. OR ("D285986").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:30 PM
L70	53	("2593998" | "2653072" | "2730423" | "3131829" | "3219400" | "3514170" | "3552817" | "3563624" | "3743372" | "3814489").PN. OR ("3999818").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:31 PM
L71	23	(US-20120074022-$ or US-20190225371-$ or US-20070090616-$ or US-20190002004-$ or US-20200029543-$ or US-20170165828-$ or US-20180200875-$ or US-20110139777-$ or US-20180044059-$ or US-20200243925-$).did. or (US-9850029-$ or US-10583962-$ or US-6637707-$ or US-5628443-$ or US-5890613-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:22 PM

		D898320-$ or US-4817809-$ or US-10933501-$ or US-4243279-$ or US-D285986-$ or US-3999818-$ or US-8925752-$).did. or (US-1084360-$).did.					
L72	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:22 PM

		20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-					

		20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174939-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0168376-$).did. or (US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-					

		0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US-				

		0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US-				

		8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US-					

		5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US-				

		0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US-				

		0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L73	11	L71 not L72	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:23 PM
L74	1	("20200223585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 11:37 PM
L75	50	(US-0014949-$ | US-0031975-$ | US-0039831-$ | US-0069832-$ | US-0123478-$ | US-0139777-$ | US-0152944-$ | US-0224528-$ | US-0229889-$ | US-0346819-$ | US-10603783-$ | US-10703534-$ | US-10750833-$ | US-10793172-$ | US-10829269-$ | US-20100224528-$ | US-20110139777-$ | US-20120152944-$ | US-20140069832-$ | US-20140123478-$ | US-20150014949-$ | US-20180229889-$ | US-20200346819-$ | US-20210031975-$ | US-20210039831-$ | US-4122925-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:23 AM

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IPR2024-01400

		4673070-$ | US-5325966-$ | US-5375709-$ | US-5429235-$ | US-5433416-$ | US-6082539-$ | US-6889838-$ | US-7219969-$ | US-7690856-$ | US-8602217-$ | US-8640913-$ | US-D285986-$ | US-D738622-$ | US-D753982-$).DID.					
L76	26	("1084360" | "20080121547" | "20100224528" | "20110139665" | "20110155613" | "20140062281" | "20150069962" | "20150274362" | "20170318927" | "3410376" | "3757911" | "3891230" | "4643494" | "5544751" | "5971119" | "6098819" | "6213266" | "6367631" | "6585090" | "8561769" | "8590704" | "8602217").PN. OR ("10750833").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:24 AM
L77	31	("1084360").URPN.	(USPAT)	OR	ON	ON	2021/07/18 02:25 AM
L78	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:33 AM

		US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-					

		20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$) did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-					

		0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$) did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$) did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US-				

		0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US-					

		9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US-					

		6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US-					

		0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US-				

		0145790-$ or US-0145700-$ or US-0144500-$ or US-0139745-$ or US-0139665-$ or US-0139566-$ or US-0138382-$ or US-0134607-$ or US-0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
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L80	103	L78 and wheel$4	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:35 AM

L81	1	"20060076261".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:02 AM
L82	1	L75 and ko	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:03 AM
L83	8	(US-20200029543-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$).did. or (US-1084360-$).did.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:03 AM
L84	1	L83 and ko	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:04 AM
L85	186	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20110073516" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:04 AM

		"20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947").PN. OR ("5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320"					

		| "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9872562" | "D395533" | "D437669" | "D456972" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D828671" | "D833744" | "D837515" | "D871013").PN. OR ("D898320").URPN.					
L86	16	("2017/0138382").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:06 AM
L87	109	("2708088" | "3878589" | "3915189" | "3931893" | "4450989" | "4461445" | "4858869" | "5026016" | "5035389" | "5078279" | "5344032" | "5356038" | "5433416" | "5435511" | "5452874" | "5765699" | "5915572" | "D329192" | "D386298" | "D386304").PN. OR ("6637707").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:11 AM
L88	20	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:13 AM

		| "6824114").PN. OR ("7837165").URPN.					
L89	93	("2732159" | "2887233" | "3294355" | "3622116" | "3840261" | "3878589" | "3915189" | "3928894" | "4176580" | "4858869" | "5026016" | "5086958" | "D329192").PN. OR ("5433416").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:23 AM
L90	56	("1537678" | "20060165484" | "2028229" | "2116584" | "2735146" | "2863185" | "3336689" | "3552056" | "3798867" | "4275972" | "4407106" | "4570408" | "5090835" | "5433416" | "5704183" | "6017093" | "6036398" | "6186691" | "6227754" | "6341467" | "6357960" | "6578341" | "6874291" | "6991397" | "7331781" | "7398622" | "D384271").PN. OR ("8147162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:25 AM
L91	23	("2735146").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:26 AM
L92	45	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN. OR ("7007903").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:27 AM
L93	99	("0626684" | "1077792" | "1720309" | "2239978" | "2610014" | "2975578" | "3021105" | "3452954" | "3491820" | "3525493" | "3927315" | "4018341" | "4246710" | "4319731" | "4539766" | "4557064" | "4713899" | "4718626" | "4995182" | "5086958" | "5109992" | "5109993"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:28 AM

		| "5275367" | "5346166" | "5415370" | "5485930" | "5678795" | "5683003" | "5702008" | "5722625" | "5871118" | "D294113" | "D316729").PN. OR ("6082687").URPN.					
L94	2	("594035").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:31 AM
L95	631	E04F15/10.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:32 AM
L96	378	E04F13/18.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:32 AM
L97	67	E04B1/00.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:33 AM
L98	378	("2430200").URPN.	(USPAT)	OR	ON	ON	2021/07/18 07:00 PM
L99	46	(US-20200029543-$ or US-20110139665-$ or US-20200055534-$ or US-20150376917-$ or US-20130031732-$ or US-20100147642-$ or US-20100052276-$ or US-20060076261-$ or US-20180220758-$ or US-20180044059-$ or US-20170138382-$ or US-20140161518-$ or US-20130223971-$ or US-20090145866-$ or US-20070090616-$ or US-20050139745-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$ or US-10750833-$ or US-11008136-$ or US-9132543-$ or US-6637707-$ or US-10890207-$ or US-7837165-$ or US-5356105-$ or US-5282554-$ or US-5226625-$ or US-5035389-$ or US-7172164-$ or US-5435511-$ or US-5433416-$ or US-4461445-$ or US-10472117-$ or US-8147162-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM

		D905545-$ or US-7007903-$ or US-6481679-$ or US-6082687-$).did. or (US-3927315-$ or US-4620736-$).did. or (US-1084360-$ or US-0594035-$).did.					
L100	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM

		20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-					

		20130127129-$ or US-20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174939-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0168376-$).did. or (US-0166516-$ or US-0166352-$ or US-0165828-$ or US-					

		0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US-				

		0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US-				

		8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US-					

		5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US-				

		0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US-				

		0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L101	29	L99 not L100	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM
L102	9	("1084360"|"10933501"|"20200029543"|"3999818"|"4243279"|"8925752"|"D285986"|"D898320").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:00 PM
L103	21	L101 not L102	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:00 PM
L104	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:02 PM

		US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or					

		US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$) did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$) did. or (US-					

		0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US-					

		0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US-				

		D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US-				

		6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US-				

		2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US-				

		0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$ or US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$).did. or (US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D232798-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$).did.					

L105	5	L104 and gates	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:02 PM
L106	71	(US-0001482-$ | US-0015928-$ | US-0025706-$ | US-0060953-$ | US-0094392-$ | US-0127007-$ | US-0151427-$ | US-0155373-$ | US-0176261-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-1081378-$ | US-10222172-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-2124541-$ | US-2939613-$ | US-20030094392-$ | US-20050015928-$ | US-20080060953-$ | US-20100176261-$ | US-20150151427-$ | US-20150310842-$ | US-20180127007-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-20210267368-$ | US-3423786-$ | US-3424334-$ | US-3935613-$ | US-4817237-$ | US-4929973-$ | US-5356038-$ | US-5356105-$ | US-5622296-$ | US-5664292-$ | US-5850996-$ | US-6098858-$ | US-6371424-$ | US-7077372-$ | US-7090085-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:08 PM
L107	191	("10434638" | "10583962" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:09 PM

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		"20140166516" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "2042387" | "2430200" | "2970358" | "3005282" | "3117692" | "3506321" | "3974898" | "4168076").PN. OR ("5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888"					

		| "8979100" | "8985922" | "9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9725209" | "9872562" | "D395533" | "D437669" | "D456972" | "D525789" | "D627967" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D828671" | "D833744" | "D837515" | "D871013" | "D895967").PN. OR ("10981696").URPN.					
L108	12	(("0495537") or ("1081378") or ("2124541") or ("2939613") or ("3423786") or ("3424334")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/12/30 11:14 PM
L109	4	(("4929973") or ("5325966") or ("5154291") or ("5375709")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/12/30 11:18 PM
L110	26	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:18 PM
L111	41	("3182856" | "3565146" | "4951812" | "4998616" | "5036980" | "5040681" | "5060851" | "5117979").PN. OR ("5325966").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:22 PM
L112	26	("1038331" | "3047157" | "4216857" | "4272795" | "4413867" | "4722034" | "4976350" | "5038235").PN. OR ("5154291").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:23 PM
L113	8	("3047157").URPN.	(USPAT)	OR	ON	ON	2021/12/30 11:24 PM
L114	78	("3356325" |	(US-PGPUB; USPAT;	OR	ON	ON	2021/12/30

		"4525052").PN. OR ("4929973").URPN.	USOCR)				11:25 PM
L115	12	("10047906" | "10194544" | "10299528" | "10317173" | "3429543" | "4929973" | "5333023" | "9052574" | "9097490" | "9121544" | "9249923").PN. OR ("10711941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:25 PM
L116	1	"5325966".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L117	41	("3182856" | "3565146" | "4951812" | "4998616" | "5036980" | "5040681" | "5060851" | "5117979").PN. OR ("5325966").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L118	24	("1472536" | "2709318" | "2803088" | "2843971" | "3521764" | "3584757" | "4109789" | "4144968" | "4391348" | "5325966" | "5607057" | "5649638").PN. OR ("6015046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L119	33	("4619366" | "4936458" | "4960207" | "5325966" | "5332114" | "5544751").PN. OR ("5697500").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:56 PM
L120	493	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:33 PM
L121	261	B65D21/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:33 PM
L122	17	"5154291"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:42 PM
L123	2	(("5154291") or ("5375709")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 06:42 PM
L124	26	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:43 PM
L125	26	("1038331" | "3047157" | "4216857" | "4272795" | "4413867" | "4722034" | "4976350" | "5038235").PN. OR ("5154291").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:43 PM
L126	35	("1733772" | "2499765"	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/04

		| "3899229").PN. OR ("4216857").URPN.	USOCR)				06:44 PM
L127	15	("4216857" | "4583640" | "4624383" | "5050755" | "5105962" | "5159156").PN. OR ("6371321").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:45 PM
L128	10	("3760937" | "4216857" | "4741438" | "D220317" | "D238401").PN. OR ("D328972").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:46 PM
L129	31	("1565993" | "2237176" | "2506844" | "2695723" | "2988412" | "3567298" | "3642337").PN. OR ("3760937").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:47 PM
L130	18	("3635350" | "3642337" | "3760937" | "3812960" | "3889817" | "3909088").PN. OR ("4098402").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:48 PM
L131	7	("3567298").URPN.	(USPAT)	OR	ON	ON	2022/01/04 06:49 PM
L132	59	("3272325" | "3287075" | "3514170" | "3567298" | "3595433" | "3603478" | "3635350" | "3642337" | "3684124" | "3710900").PN. OR ("3904259").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:51 PM
L133	16	("3552817" | "3904259" | "3974898" | "4269461" | "4285559" | "4410093" | "4436355" | "4570793" | "4577914" | "4728158" | "4900090" | "5666713").PN. OR ("6109707").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:58 PM
L134	23	("2233480" | "3751127" | "3841725").PN. OR ("5666713").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:59 PM
L135	1723	312/111,199.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:01 PM
L136	10	("2003/0038566").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:04 PM
L137	40	("2011962" | "3514170" | "3552817" | "3743372" | "3851936" | "3999818" | "4198777" | "4238032" | "4353470" | "4589546" | "4744612" | "4782619" | "4874210" | "4907703" | "5046789" | "5137340" | "5176435" | "5191983"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:07 PM

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IPR2024-01400

		| "5344024" | "5399004" | "5454634").PN. OR ("6050657").URPN.					
L138	18	("3131829" | "3429632" | "3552579" | "3707023" | "4062302" | "4239306" | "5246284").PN. OR ("5454634").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:08 PM
L139	633	312/108.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:10 PM
L140	109	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:15 PM
L141	118	("0287923" | "1084597" | "1563306" | "20010025460" | "20020054787" | "20020122691" | "20030036314" | "20030044228" | "20040033103" | "20040102132" | "20040121699" | "20040168382" | "20050005556" | "20060104715" | "20060165482" | "20060278772" | "20070006542" | "20070209314" | "20080224470" | "20080280521" | "20080280523" | "20100005752" | "20100059094" | "20110101607" | "20110180350" | "20120299352" | "20140010587" | "20140260083" | "2132757" | "2472363" | "3086627" | "3342444" | "3608906" | "3778175" | "3836218" | "4021973" | "4094417" | "4160337" | "4258522" | "4388786" | "4455795" | "4543757" | "4564732" | "4577449" | "4621938" | "4652170" | "4671039" | "4688362" | "4845889" | "4896999" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:15 PM

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L142	63	("0669591" | "1385606" | "1397976" | "1671279" | "2204675" | "2291712" | "2387659" | "2902853" | "3305982" | "3449875" | "3527005" | "3849960" | "4550543").PN. OR ("4688362").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:20 PM
L143	56	("3286070" | "3589758" | "3599212" | "3751618" | "3851936" | "3900712" | "4019298" | "4095913" | "4224484" | "4267417").PN. OR ("4564732").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:21 PM
L144	75	("0165500" | "0598689" | "2003746" | "2165255" | "2323123" | "2325155" | "2459873" | "2502275" | "2562518" | "2568131" | "2620801" | "2721417" | "3043047" | "3095665" | "3233611" | "3366359" | "3408032" | "3425421" | "3926398" | "4009599" | "4066168" | "4116413" | "4179091" | "4341166" | "4389133" | "4444418" | "4462317" | "4475365"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:23 PM

		| "4508306" | "4564732" | "4568052" | "4582442" | "4583877" | "4643384" | "4691541" | "4722627" | "4776552" | "4787595").PN. OR ("4925146").URPN.					
L145	25	("0438675" | "3608158" | "3777734" | "4156496" | "4564732").PN. OR ("4635611").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:25 PM
L146	143	("0616131" | "0748036" | "0918699" | "1133513" | "1303090" | "1918116" | "1986465" | "2580174" | "2793407").PN. OR ("4019298").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:27 PM
L147	5	("20070154257" | "20120128114" | "4019298" | "5244300" | "6343107").PN. OR ("9887017").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:27 PM
L148	50	("0609703" | "0984823" | "1348707" | "3074203" | "3663055" | "4012155" | "4019298" | "4438800" | "4504168" | "4548590" | "4550230").PN. OR ("4900090").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:30 PM
L149	22	("1303090").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:32 PM
L150	8	(("0593330") or ("1182610") or ("1265113") or ("2457002")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 07:33 PM
L151	49	("2132757").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:35 PM
L152	33	("20060059738" | "20110014848" | "20110097964" | "20140227940" | "20150182868" | "2472363" | "2565823" | "2922253" | "3022594" | "3558138" | "3774908" | "3888030" | "4180932" | "4903424" | "4970810" | "4983890" | "5056249" | "5090936" | "5322717" | "5462471" | "5732493" | "5775046" | "6045430" | "6682392" | "6845579" | "7895779").PN. OR ("9661944").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:39 PM
L153	19	("20040149754" |	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/04

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IPR2024-01400

		"20080116772" | "20090039742" | "20100127603" | "2023260" | "3316041" | "3552817" | "4043477" | "4998587" | "5271515" | "5350057" | "5470139" | "5775046" | "5924778" | "6735831").PN. OR ("8894160").URPN.	USOCR)				07:41 PM
L154	9	("2004/0149754").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:44 PM
L155	2	("1390374").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 07:49 PM
L156	49	("1252816" | "1983307" | "3131829" | "3374917" | "3567302" | "3986756" | "3999818" | "4099626" | "4175807" | "4227758").PN. OR ("4423913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:52 PM
L157	56	("2593998" | "2653072" | "2730423" | "3131829" | "3219400" | "3514170" | "3552817" | "3563624" | "3743372" | "3814489").PN. OR ("3999818").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:53 PM
L158	24	(("1386143") or ("2128341") or ("2128342") or ("2206084") or ("2375843") or ("2392630") or ("2410700") or ("2709634") or ("2726916") or ("2741419") or ("2757852") or ("2867019")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 08:04 PM
L159	38	("2087863" | "2979370" | "3348668" | "3552817" | "3638788" | "3737067" | "3743372" | "3747745" | "3871516" | "3917067").PN. OR ("4026615").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 11:22 PM
L160	14	(("1303985") or ("1698578") or ("1726121") or ("2268236") or ("2733112") or ("3000680") or ("3003839")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 11:27 PM
L161	11	("2733112").URPN.	(USPAT)	OR	ON	ON	2022/01/04

							11:28 PM
L162	6	(("1308647") or ("2203716") or ("2614016")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 11:33 PM
L163	9	("2386343").URPN.	(USPAT)	OR	ON	ON	2022/01/04 11:46 PM
L164	2	("2169769").URPN.	(USPAT)	OR	ON	ON	2022/01/04 11:52 PM
L165	5	("2614016").URPN.	(USPAT)	OR	ON	ON	2022/01/05 12:11 AM
L166	8	(("1331862") or ("1686515") or ("2304020") or ("2386343")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:12 AM
L167	8	(("1186634") or ("1862609") or ("2083114") or ("2121190")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:13 AM
L168	12	(("1223641") or ("1242579") or ("1268870") or ("2237176") or ("2281959") or ("2321755")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:15 AM
L169	27	("1084360" | "20080121547" | "20100224528" | "20110139665" | "20110155613" | "20140062281" | "20150069962" | "20150274362" | "20170318927" | "3410376" | "3757911" | "3891230" | "4643494" | "5544751" | "5971119" | "6098819" | "6213266" | "6367631" | "6585090" | "8561769" | "8590704" | "8602217").PN. OR ("10750833").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/05 12:22 AM
L170	16	(("0512496") or ("1656868") or ("2563094") or ("2752215") or ("2988412") or ("3219400") or ("3401993") or ("3421801")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:25 AM
L171	2	("2807387").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 11:45 AM
L172	24	("2807387").URPN.	(USPAT)	OR	ON	ON	2022/01/05 11:45 AM
L173	111	"40".clas. and (shrink	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/05

		and bottle)	USOCR)				02:19 PM
L174	82	(US-20060076261-$ or US-20030038566-$ or US-20050110371-$ or US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-11008136-$ or US-10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$ or US-9551367-$ or US-3935613-$ or US-1081378-$ or US-3424334-$ or US-7350648-$ or US-3182856-$ or US-3047157-$ or US-10711941-$ or US-3429543-$ or US-10364935-$ or US-9958667-$ or US-8448829-$ or US-5697500-$ or US-5375709-$ or US-5154291-$ or US-4216857-$ or US-6371321-$ or US-D328972-$ or US-D238401-$ or US-3760937-$).did. or (US-5918762-$ or US-4098402-$ or US-3567298-$ or US-3904259-$ or US-6109707-$ or US-5666713-$ or US-6050657-$ or US-7410289-$ or US-5454634-$ or US-7100999-$ or US-7967401-$ or US-5775046-$ or US-10501929-$ or US-2902853-$ or US-4564732-$ or US-5720537-$ or US-5044594-$ or US-10485312-$ or US-4635611-$ or US-4019298-$ or US-9887017-$ or US-8123284-$ or US-4900090-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:50 PM

		1303090-$ or US-3851936-$ or US-2132757-$ or US-2472363-$).did. or (US-9661944-$ or US-8894160-$ or US-10514519-$ or US-3552817-$ or US-5993283-$ or US-4423913-$ or US-4660725-$ or US-3999818-$ or US-5325975-$ or US-4003172-$ or US-3743372-$ or US-4026615-$ or US-3421801-$ or US-2386343-$ or US-3860147-$ or US-2304020-$ or US-2169769-$ or US-1602383-$ or US-0864761-$).did. or (US-2793407-$ or US-3506321-$ or US-2614016-$).did.					
L175	16	("10750833"|"20060076261"|"D898320"|"10933501"|"D285986"|"5433416"|"11008136"|"7837165"|"20200029543"|"4243279"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:57 PM
L176	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:58 PM

		US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$) did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-					

		$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-					

		0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US-					

		0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US-					

		D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US-					

		6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US-				

		0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US-				

		0145866-$ or US-0145790-$ or US-0145700-$ or US-0144500-$ or US-0139745-$ or US-0139665-$ or US-0139566-$ or US-0138382-$ or US-0134607-$ or US-0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L177	71	(US-0001482-$ | US-0015928-$ | US-0025706-$ | US-0060953-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:59 PM

		0094392-$ | US-0127007-$ | US-0151427-$ | US-0155373-$ | US-0176261-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-1081378-$ | US-10222172-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-2124541-$ | US-2939613-$ | US-20030094392-$ | US-20050015928-$ | US-20080060953-$ | US-20100176261-$ | US-20150151427-$ | US-20150310842-$ | US-20180127007-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-20210267368-$ | US-3423786-$ | US-3424334-$ | US-3935613-$ | US-4817237-$ | US-4929973-$ | US-5356038-$ | US-5356105-$ | US-5622296-$ | US-5664292-$ | US-5850996-$ | US-6098858-$ | US-6371424-$ | US-7077372-$ | US-7090085-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.					
L178	66	L174 not (L175 L176 L177)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:59 PM
L179	1	"5454634".PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 09:02 PM
L180	12	(US-0073995-$ | US-0078929-$ | US-0104909-$ | US-11066089-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:29 PM

		11283117-$ | US-20120073995-$ | US-20200078929-$ | US-20210104909-$ | US-D649783-$).DID.					
L181	18	("10027188" | "10063096" | "20050156564" | "20120218027" | "20130048647" | "20140328659" | "20150077042" | "20150077043" | "20170259956" | "20180009588" | "20180231238" | "20180366697" | "3733836" | "8579113" | "9153978" | "9379561" | "9748794" | "9829953").PN. OR ("11283117").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:30 PM
L182	46	(US-0030425-$ | US-0062042-$ | US-0075468-$ | US-0094600-$ | US-0158216-$ | US-0197059-$ | US-0213115-$ | US-0221561-$ | US-0273114-$ | US-0288970-$ | US-0316909-$ | US-11155382-$ | US-11230410-$ | US-20020030425-$ | US-20030075468-$ | US-20070273114-$ | US-20090288970-$ | US-20140062042-$ | US-20140197059-$ | US-20160213115-$ | US-20170158216-$ | US-20210094600-$ | US-20210221561-$ | US-20210316909-$ | US-5035389-$ | US-D437484-$ | US-D876833-$ | US-D897103-$ | US-D918584-$ | US-D919296-$ | US-D920671-$ | US-D932186-$ | US-D936030-$ | US-D941020-$ | US-RE47022-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:32 PM

L183	1	"10406387".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:48 PM
L184	1	"20130206139".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:48 PM
L185	0	A652B9/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L186	638	A62B9/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L187	878	A62B7/10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L188	536	A62B18/006.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L189	369	A62B25/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L190	32	("3805929" | "3957183" | "4299313" | "4310110" | "4345789" | "4358006" | "4455718" | "4463978" | "4561526" | "4690314" | "4752263" | "5046894" | "5494377" | "5567084").PN. OR ("6409429").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:52 PM
L191	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM

		20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-					

		20170166352-$ or US- 20170165828-$ or US- 20170138382-$ or US- 20170121056-$ or US- 20160221177-$ or US- 20160168880-$ or US- 20160144500-$ or US- 20160130034-$ or US- 20160023349-$ or US- 20150376917-$ or US- 20150274362-$ or US- 20150034515-$ or US- 20140166516-$ or US- 20140161518-$ or US- 20140076759-$ or US- 20130223971-$ or US- 20130154218-$ or US- 20130127129-$ or US- 20120074022-$).did. or (US-10758065-$ or US- 10583962-$ or US- 10434638-$ or US- 10106180-$ or US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$).did. or (US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US-				

		0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US-				

		0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US-				

		D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US-				

		6305498-$ or US-D437669-$).did. or (US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5957421-$ or US-5951037-$ or US-5890613-$ or US-5797617-$ or US-5775046-$ or US-D395533-$ or US-5653366-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-D361511-$ or US-5429260-$ or US-D352208-$ or US-5301829-$ or US-5282554-$ or US-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$).did. or (US-D325324-$ or US-5098235-$ or US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4805859-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3743372-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ or US-9850029-$).did. or (US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-					

		0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US-				

		0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L192	8	(US-20200029543-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$).did. or (US-1084360-$).did.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM
L193	7	(US-20060076261-$).did. or (US-11008136-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/16 09:07 PM

		10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$).did.					
L194	15	(US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-8894160-$ or US-7350648-$ or US-6371321-$ or US-5454634-$ or US-5154291-$ or US-4660725-$ or US-4564732-$ or US-3851936-$ or US-3567298-$ or US-3552817-$ or US-2386343-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/16 09:07 PM
L195	82	(US-20060076261-$ or US-20030038566-$ or US-20050110371-$ or US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-11008136-$ or US-10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$ or US-9551367-$ or US-3935613-$ or US-1081378-$ or US-3424334-$ or US-7350648-$ or US-3182856-$ or US-3047157-$ or US-10711941-$ or US-3429543-$ or US-10364935-$ or US-9958667-$ or US-8448829-$ or US-5697500-$ or US-5375709-$ or US-5154291-$ or US-4216857-$ or US-6371321-$ or US-D328972-$ or US-D238401-$ or US-3760937-$).did. or (US-5918762-$ or US-4098402-$ or US-3567298-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM

		3904259-$ or US-6109707-$ or US-5666713-$ or US-6050657-$ or US-7410289-$ or US-5454634-$ or US-7100999-$ or US-7967401-$ or US-5775046-$ or US-10501929-$ or US-2902853-$ or US-4564732-$ or US-5720537-$ or US-5044594-$ or US-10485312-$ or US-4635611-$ or US-4019298-$ or US-9887017-$ or US-8123284-$ or US-4900090-$ or US-1303090-$ or US-3851936-$ or US-2132757-$ or US-2472363-$).did. or (US-9661944-$ or US-8894160-$ or US-10514519-$ or US-3552817-$ or US-5993283-$ or US-4423913-$ or US-4660725-$ or US-3999818-$ or US-5325975-$ or US-4003172-$ or US-3743372-$ or US-4026615-$ or US-3421801-$ or US-2386343-$ or US-3860147-$ or US-2304020-$ or US-2169769-$ or US-1602383-$ or US-0864761-$).did. or (US-2793407-$ or US-3506321-$ or US-2614016-$).did.					
L196	111	(L191 L192 L193 L194 L195) and wheel$3	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:08 PM
L197	170	("0344661" | "0687619" | "1424819" | "20020014488" | "20020067027" | "20020074905" | "20020113386" | "20020185831" | "20030001348" | "20030146589" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:10 PM

		"20040265104" | "20050062244" | "20050104308" | "20050258610" | "20050275178" | "20060006619" | "20060012139" | "20060038367" | "20070080512" | "20070194543" | "20070273114" | "20080084036" | "20080121547" | "20080128305" | "20080143069" | "20090020528" | "20090026901" | "20090309323" | "20100052276" | "20100290877" | "20100327562" | "20110049824" | "20110181008" | "20120160886" | "20120326406" | "20140001719" | "20140375181" | "2554091" | "2588830" | "2901262" | "2964328" | "3168329" | "3393951" | "3734526" | "3804432" | "3990653" | "4363496" | "4448434" | "4619363" | "4984704" | "5104135" | "5123666" | "5207723" | "5362078" | "5378005" | "5464104" | "5474312" | "5595395" | "5626352" | "5634649" | "5720535" | "5845915" | "5906381" | "5913527" | "5931483" | "5934466" | "5938396" | "6000713" | "6050660" | "6079719" | "6109627" | "6113129" | "6123344" | "6131926" | "6135466" | "6176559" | "6254112" | "6347847" | "6357063" | "6371320" | "6394471" | "6398235" | "6474930" | "6561528" | "6601930" | "6616152" | "6659476" | "6666465" | "6874634" | "6889838" | "6945546" | "7063339" | "7066475" | "7168715" | "7188847" | "7210689" | "7328905" | "7367571" | "7500681" |				

		"7503569" | "7686260" | "7703776" | "7819407" | "7823893" | "7845653" | "7883096" | "7905502" | "7938412" | "8132819" | "8226092" | "8567796" | "8657307" | "D437484").PN. OR ("D542496" | "D640869" | "D653832" | "D654241").PN. OR ("9132543").URPN.					
L198	11	("2009/0309323").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:11 PM
L199	18	("2003/0001348").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:23 PM
L200	22	("20030001348" | "20040001748" | "20040201186" | "20070029745" | "20100181737" | "20120299259" | "4585130" | "4726602" | "4921270" | "5333885" | "5465987" | "5577745" | "5611561" | "6131926" | "7823893" | "7886872" | "8366126" | "8459515" | "8967633" | "9033348" | "9302690" | "D581123").PN. OR ("10086858").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:23 PM
L201	93	("0845917" | "1424819" | "20040124598" | "20050110232" | "20080203688" | "2598489" | "2981374" | "3052323" | "3052484" | "3179270" | "3690488" | "3734526" | "3804432" | "3876039" | "3951286" | "4355818" | "4363496" | "4421209" | "4448434" | "4526399" | "4537421" | "5160154" | "5203815" | "5251922" | "5365860" | "5464104" | "5564346" | "5575605" | "5595395" | "5626352" | "5644993" | "5678842" | "5697624" | "5845915" | "5863055" | "5885047" | "6131926" | "6131927" | "6135466" | "6309168" | "6457727" | "6530740" | "6659476" | "6709222" | "6880851" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:25 PM

		"6921095" | "6929269" | "6971654" | "7213816" | "7320472" | "D340339" | "D373669" | "D396923" | "D399625" | "D440372" | "D502304").PN. OR ("7823893").URPN.					
L202	44	("2320387" | "3052484" | "3179270" | "3734526" | "4281843" | "4363496" | "4790549" | "5464104" | "5465987" | "5474312" | "5595395" | "5671933").PN. OR ("6131926").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:27 PM
L203	55	("1006985" | "2964328" | "3052323" | "3436093" | "3460850" | "4726602" | "5123666" | "5125675" | "5193842").PN. OR ("5465987").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:29 PM
L204	737	"280".clas. and (scuba diver diving)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:29 PM
L205	1	("2006/0119058").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:31 PM
L206	6	("5433230"|"5074571"|"5492346"|"5207723"|"6520514"|"6341789").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:32 PM
L207	81	("2439660" | "2893749" | "2905480" | "3351402" | "4026616" | "4124261" | "4544050" | "4784382" | "4848243" | "4865346" | "4890705" | "5207723" | "5306029" | "5379537" | "6199816" | "D383603").PN. OR ("6520514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:33 PM
L208	78	("0886530" | "1664431" | "2124071" | "2265618" | "2300405" | "2525208" | "2572486" | "2893749" | "2905480" | "3010775" | "3118685" | "3779623" | "3831799" | "3831805" | "3984023" | "4225202" | "4350257" | "4387940" | "4531645" | "4662515" | "D311622").PN. OR ("5207723").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:35 PM
L209	29	("20030034636" | "20180168369" | "2564939" | "2868557" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:47 PM

		"3092395" | "3241852" | "3279811" | "3285620" | "3292942" | "3427040" | "3462171" | "3659867" | "4460189" | "5125675" | "5465987" | "6547263" | "6955365" | "9566991").PN. OR ("10322735").URPN.					
L210	18	("20110120827" | "20120049474" | "3092395" | "3135527" | "3285620" | "4448434" | "5125675" | "5628523" | "5803264" | "6547263" | "6955365" | "7728671").PN. OR ("9566991").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:48 PM
L211	10	("2012/0049474").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:48 PM
L212	1	"7757913".pn.	(USPAT)	OR	ON	ON	2022/06/16 09:54 PM
L213	1	"7757913".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:54 PM
L214	225	A45F2005/026.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:54 PM
L215	32	("1333075").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:58 PM
L216	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:59 PM
L217	12800	F16M11/041,40,10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L218	5487	F16M11/041,40.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L219	4970	F16M11/041.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L220	9897	F16M13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:09 PM
L221	471	F16B2/20.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:10 PM
L222	53	("2592767"|"5778804"|"6564432"|"1951196"|"5738020"|"0396508"|"4220308"|"20080237434"|"4893777"|"5143331"|"5209445"|"6131361"|"0993818"|"4140414"|"4603829"|"4725029"|"6193198"|"6517276"|"2277738"|"20080107479"|"3986318"|"6010306"|"4266386"|"5592767"|"4106	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:14 PM

		630"|"4783034"|"5013000"|"5420762"|"7299667"|"20040232298"|"3455528"|"3529860"|"0936527"|"20110204758"|"20110023364"|"3282519"|"7934607"|"5150415"|"4307865"|"4473316"|"3055462"|"3159368").PN.					
L223	5	("1951196").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:17 PM
L224	445	F16B21/09.cpc.	(USPAT)	OR	ON	ON	2022/06/16 10:21 PM
L225	885	F16B21/09.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:22 PM
L226	2	("2013/0071176").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:26 PM
L227	0	("2013/0058712").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:27 PM
L228	11	("6715185"|"7904994"|"20080286067"|"20110113598"|"2980478"|"6772484"|"2980478"|"20040083583"|"20110035909"|"5195793"|"6715185"|"7527553").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:28 PM
L229	60	("3037596" | "4581793" | "5897278" | "6457217").PN. OR ("6715185").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:29 PM
L230	37	("20050242247" | "20060239796" | "20070057124" | "20070126211" | "20100186197" | "20130119208" | "20140131528" | "3090826" | "4557455" | "5065562" | "5112013" | "5224244" | "5407160" | "5766218" | "5921510" | "6105908" | "6394695" | "6550723" | "6715185" | "7229052" | "7360744" | "7404548" | "7503528" | "7669807" | "7753320" | "7762503" | "7832693" | "7988105" | "8221042" | "8282047" | "8313064" | "8991774" | "9045094" | "D741691").PN. OR ("9970573").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:29 PM
L231	53	("4186902" | "4272047" | "4708306" | "4735387"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:31 PM

		| "4766651").PN. OR ("5112013").URPN.					
L232	14	("20100194170"|"3854192"|"5221585"|"6135666"|"7044677"|"6135666"|"5083726"|"5944388"|"5921606"|"5871318"|"3854192"|"6131286"|"5221585"|"6131286"|"6241144"|"20100194170"|"6241144"|"8182183"|"7044677"|"7390063"|"5489172"|"7390063").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:34 PM
L233	57	("2009/0140112").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:37 PM
L234	6053	H01R13/627,6271,6272,6273,62787.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:39 PM
L235	1625	A63H33/062,08,084,086.cpc..cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:40 PM
L236	20	("20030005594" | "2271928" | "2345312" | "2963946" | "3537697" | "4817809" | "4968012" | "5107599" | "5244300" | "5481811" | "5829151" | "6298572" | "8621761").PN. OR ("10933501").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:42 PM
L237	20	("2339161" | "4134175" | "4154527" | "4344658" | "4804277" | "5131733" | "5457520" | "5511885" | "5538475" | "5632684" | "5636820" | "5651632" | "5716161" | "5810272" | "5852760" | "5857129" | "6024497" | "6058280").PN. OR ("6481915").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:56 PM
L238	62	("3084407" | "3631994" | "4046295" | "4083481" | "4299344" | "4420078" | "4479596" | "4485946" | "4641370" | "4736877" | "4754528" | "4761823" | "4775083" | "4801059").PN. OR ("4858798").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:06 PM
L239	280	("10106180" | "10434638" | "10583962" | "10750833" | "10793172" | "10829268" | "11008136" | "1112943"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:13 PM

		| "1488460" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060113303" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20110073516" | "20110139665" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120152800" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" |					

		"20130031731" | "20130031732" | "20130068903" | "20130121783" | "20130127129" | "20130146551" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150034515" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20160221177" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927").PN. OR ("20170349013" | "20180044059" | "20180099405" | "20180153312" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20190225374" | "20200055534" | "20200147781" | "20200165036" | "20200243925" | "20200299027" | "20210031975" | "20210039831" | "2042387" | "2430200" | "2558126" | "2970358" | "3117692" | "3186585" | "3225865" | "3506321" | "3974898" | "4168076" | "4491231" | "4577772" | "4643494" | "4673070" | "4684034" | "4693345" |				

		"4971201" | "5035445" | "5098235" | "5105947" | "5240264" | "5301829" | "5429260" | "5538213" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6305498" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7083061" | "7147243" | "7152752" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9725209" | "9872562" | "D232798" | "D285986" | "D319016" | "D325324" | "D326815" | "D340167" | "D352208" | "D361511" | "D395533" | "D415393" | "D420860" | "D437669" | "D456972").PN. OR ("D525789" | "D527225" | "D536580" | "D630851" | "D649350" | "D653832" | "D661858" | "D663952" | "D664354" | "D668869" | "D674605" | "D701696" | "D738105" | "D738106" | "D753394" | "D753395" | "D753396" | "D765974" | "D770179" | "D777426" | "D784089" | "D790221" | "D803631"					

		| "D806483" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "D833744" | "D836995" | "D837515" | "D839681" | "D845080" | "D845081" | "D857387" | "D871013" | "D873085" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "D898320" | "D917977").PN. OR ("11338959").URPN.					
L240	34	("2005/0104308").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:16 PM
L241	28	("2003/0184034").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:17 PM
L242	8	("20020015538" | "20030127296" | "20030184034" | "20040074725" | "20070028642" | "20190142125" | "4538709" | "5660476").PN. OR ("11058196").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:19 PM
L243	9	("2004/0074725").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:19 PM
L244	50	("20020030425" | "20110049824" | "20110181008" | "6176559" | "6601930" | "D565269" | "D630851").PN. OR ("D653832").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:52 PM
L245	20	("10106180" | "10227078" | "20100314978" | "20110049824" | "20110132853" | "20110192810" | "20120085714" | "20140375181" | "20150336710" | "20160046309" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:53 PM

		"20170151972" | "20170217464" | "5588659" | "5645177" | "5740910" | "8157337" | "9132543" | "9566990" | "9643629" | "9737141").PN. OR ("10894314").URPN.					
L246	2	("10227078").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:54 PM
L247	9	("2386343").URPN.	(USPAT)	OR	ON	ON	2022/06/17 12:13 AM
L248	0	"13396858".an.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 01:07 AM
L249	2	"13396858"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 01:07 AM
L250	35	("10399752"|"20020185497"|"20030200822"|"20070125259"|"20100147087"|"20110000919"|"20130045501"|"20130078735"|"20130177937"|"20130248531"|"20150216464"|"20150307013"|"20160345762"|"20170253168"|"20180222033"|"20190120730"|"3308669"|"4805632"|"4927605"|"4960346"|"5086813"|"5197515"|"5199473"|"5237934"|"5269350"|"5660295"|"6030580"|"6578647"|"6715820"|"6845676"|"7272980"|"8684024"|"D435906"|"D494279").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:44 AM
L251	3	((("Schwab") near3 ("Mark") near3 ("Jordan"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:45 AM
L252	47	("20180222033"|"3308669"|"D435906"|"D494279"|"20130177937"|"20070125259"|"5086813"|"6578647"|"4423641"|"7272980"|"20100147087"|"20150216464"|"4927605"|"20110000919"|"20130045501"|"20160345762"|"6845676"|"3118561"|"3528375"|"3930413"|"10399752"|"3013431"|"4174632"|"20130078735"|"4127215"|"4574630"|"4941517"|"4805632"|"3779082"|"5197515"|"5237934"|"566029	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:47 AM

		5"|"6030580"|"1429710"|"20130248531"|"20190120730"|"3776042"|"4785676"|"5199473"|"5269350"|"6715820"|"20030200822").PN.					
L253	3	("2010/0147087").URPN.	(USPAT)	OR	ON	ON	2022/06/17 02:48 AM
L254	52	("10399752" | "1429710" | "20020185497" | "20030200822" | "20070125259" | "20100147087" | "20110000919" | "20130045501" | "20130078735" | "20130177937" | "20130248531" | "20150216464" | "20150307013" | "20160345762" | "20170253168" | "20180222033" | "20190120730" | "3013431" | "3118561" | "3308669" | "3528375" | "3776042" | "3779082" | "3930413" | "4127215" | "4174632" | "4423641" | "4574630" | "4785676" | "4805632" | "4927605" | "4941517" | "4960346" | "5086813" | "5197515" | "5199473" | "5237934" | "5269350" | "5660295" | "6030580" | "6578647" | "6715820" | "6845676" | "7272980" | "8684024" | "D435906" | "D494279").PN. OR ("10800594").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:48 AM
L255	18	("3776042" | "3779082" | "3985016" | "4056981").PN. OR ("4785676").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:59 AM
L256	42	("3559703").PN. OR ("3776042").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 03:00 AM
L257	1	"20210114784".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 03:05 AM
L258	77	(US-20210039831-$ or US-20210031975-$ or US-20190225374-$ or US-20190225371-$ or US-20170121056-$ or US-20120152800-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:44 AM

		US-20110139665-$ or US-20180000234-$ or US-20050139745-$ or US-20060096009-$ or US-20140166677-$ or US-20090106942-$ or US-20040194333-$ or US-20070045505-$).did. or (US-10829268-$ or US-D898320-$ or US-10793172-$ or US-7083061-$ or US-7152752-$ or US-5628443-$ or US-4693345-$ or US-4684034-$ or US-4673070-$ or US-4643494-$ or US-D285986-$ or US-4577772-$ or US-4491231-$ or US-3186585-$ or US-1488460-$ or US-1112943-$ or US-11008136-$ or US-D917977-$ or US-7690856-$ or US-7490800-$ or US-6520463-$ or US-5433416-$ or US-5035389-$ or US-11129359-$ or US-10406387-$ or US-7757913-$).did. or (US-6405910-$ or US-4083481-$ or US-7448115-$ or US-6726075-$ or US-2965939-$ or US-5226625-$ or US-8833596-$ or US-7837165-$ or US-11034485-$ or US-1617213-$ or US-5356105-$ or US-10017134-$ or US-1432349-$ or US-8448829-$ or US-0846022-$ or US-6751810-$ or US-9121544-$ or US-1922345-$ or US-1079411-$ or US-4132380-$ or US-2897928-$ or US-5332183-$ or US-6036071-$ or US-					

		5050793-$ or US-8292244-$).did. or (US-2558126-$).did.					
L259	11	("20040256529" | "20050139745" | "20070002529" | "20070045505" | "20070206123" | "20080089019" | "20090262265" | "20100149440" | "8196880" | "8218305").PN. OR ("8292244").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:50 AM
L260	15	("2004/0256529").URPN.	(USPAT)	OR	ON	ON	2022/06/17 05:51 AM
L261	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:52 AM
L262	62	("3084407" | "3631994" | "4046295" | "4083481" | "4299344" | "4420078" | "4479596" | "4485946" | "4641370" | "4736877" | "4754528" | "4761823" | "4775083" | "4801059").PN. OR ("4858798").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:54 AM
L263	3	("2007/0045505").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:04 AM
L264	9	("4858878"|"4878645"|"6740851"|"5209445"|"6806425"|"6941469"|"5738020"|"6123314"|"6347439").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:05 AM
L265	42	("0292066" | "0926230" | "1828088" | "2402682" | "3180473" | "3356429" | "3850392" | "4268099" | "4289242" | "4535863" | "4634009").PN. OR ("4858878").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:05 AM
L266	46	("4878645" | "4973023" | "5169114" | "5228584" | "6102348" | "6347439" | "6642453" | "D320928").PN. OR ("6806425").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:07 AM
L267	11	("20040256529" | "20050139745" | "20070002529" | "20070045505" | "20070206123" | "20080089019" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:09 AM

		"20090262265" | "20100149440" | "8196880" | "8218305").PN. OR ("8292244").URPN.					
L268	27	("2005/0139745").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:10 AM
L269	1	"7757913".pn.	(USPAT)	OR	ON	ON	2022/06/17 06:12 AM
L270	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:13 AM
L271	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:14 AM
L272	41	("1079411" | "20020134809" | "20020185509" | "20030042284" | "20030070211" | "20060058070" | "20090120980" | "20090277936" | "20090314295" | "20100200624" | "20100294822" | "20100310823" | "20110126713" | "4389635" | "4534063" | "4673070" | "4899740" | "5035389" | "5152443" | "5226625" | "5267557" | "5697538" | "5762243" | "5833095" | "5996184" | "6038747" | "6206257" | "6401715" | "6405910" | "6405911" | "6508390" | "7448115" | "7454800" | "7658190" | "7726312" | "7757913" | "7819120" | "7900278" | "D646379").PN. OR ("10406387").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:15 AM
L273	48	("20060096009" | "2965939" | "4222595" | "4520533" | "4555812" | "4760980" | "5020196" | "5031244" | "5604958" | "5617587" | "5724707" | "6112377" | "6173479" | "6553635" | "6708379" | "6726075" | "6874163").PN. OR ("7448115").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:15 AM

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IPR2024-01400

L274	46	("0157883" | "0665985" | "0676810" | "0718018" | "0782460" | "0810537" | "0944673" | "1148444" | "3743147").PN. OR ("5020196").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:17 AM
L275	30	("2965939").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:18 AM
L276	193	24/598.4.ccls.	(USPAT)	OR	ON	ON	2022/06/17 06:21 AM
L277	1	"7007903".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:33 AM
L278	47	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN. OR ("7007903").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:33 AM
L279	34	("1286376" | "1848937" | "2891757" | "3822049" | "3912216" | "3915189" | "4389133" | "4584589" | "4613135" | "5026016" | "5080238" | "5129613" | "5356104" | "5526010").PN. OR ("5707033").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:34 AM
L280	34	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:41 AM
L281	46	("2003/0038222").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:42 AM

L282	607	248/220.1,224.51.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:47 AM
L283	15	("3622116" | "4340199" | "4701586" | "5035389" | "5226625" | "5356105" | "5425524").PN. OR ("6098941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:02 AM
L284	28	("1167899" | "2533799" | "2596332" | "3017205" | "3436108" | "3589660").PN. OR ("3858996").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:04 AM
L285	37	("0859013" | "2032636" | "2588009" | "2723815" | "3298655" | "3394712").PN. OR ("3622116").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:07 AM
L286	14	(("0606208") or ("1339703") or ("1883834") or ("1908147") or ("1966505") or ("2248410") or ("2271928")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/06/17 07:09 AM
L287	7	("2271928").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:11 AM
L288	40	("0919896" | "1196617" | "1758404" | "1845693" | "1983060" | "2103106" | "2271928" | "2336385" | "2688688" | "2695658" | "2841353" | "3016980" | "3088092" | "3175341" | "3483670" | "3501898").PN. OR ("3835623").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:12 AM
L289	19	("2103106").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:13 AM
L290	54	("1794700" | "2103106" | "3131251" | "3928894" | "4401222" | "5000411" | "5709057" | "5803414").PN. OR ("6497395").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:15 AM
L291	23	("1794700").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:16 AM
L292	108	(US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$ or US-20120073995-$ or US-20210316909-$ or US-20130206806-$ or US-20130206139-$ or US-20110049824-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:04 AM

		US-20090309323-$ or US-20080143069-$ or US-20030001348-$ or US-20100320710-$ or US-20060119058-$ or US-20120049474-$ or US-20210329802-$ or US-20220121091-$ or US-20200267852-$ or US-20190093802-$ or US-20130062489-$ or US-20110204758-$ or US-20210317859-$ or US-20210071699-$ or US-20130071176-$ or US-20130058712-$ or US-20120299352-$).did. or (US-20090140112-$ or US-20050104308-$ or US-20050062244-$ or US-20030184034-$ or US-20040074725-$ or US-20070045505-$ or US-20040256529-$ or US-20060058070-$).did. or (US-8894160-$ or US-7350648-$ or US-6371321-$ or US-5454634-$ or US-5154291-$ or US-4660725-$ or US-4564732-$ or US-3851936-$ or US-3567298-$ or US-3552817-$ or US-2386343-$ or US-10406387-$ or US-6409429-$ or US-9132543-$ or US-10086858-$ or US-8459515-$ or US-7823893-$ or US-6131926-$ or US-6520514-$ or US-5207723-$ or US-5799958-$ or US-6341789-$ or US-5704624-$ or US-10322735-$ or US-9566991-$ or US-D764138-$).did. or (US-1333075-$ or US-6010306-$ or US-1951196-$ or US-6715185-$ or US-9970573-$ or US-6394695-$ or US-					

		5112013-$ or US-D769111-$ or US-9222499-$ or US-9917398-$ or US-10933501-$ or US-5951037-$ or US-6481915-$ or US-0114948-$ or US-9551367-$ or US-4858798-$ or US-3804432-$ or US-9888752-$ or US-D653832-$ or US-10894314-$ or US-10227078-$ or US-6123344-$ or US-4363496-$ or US-8292244-$ or US-2965939-$ or US-7007903-$ or US-5707033-$).did. or (US-9683696-$ or US-10815662-$ or US-8448829-$ or US-6098941-$ or US-4176580-$ or US-3858996-$ or US-6354759-$ or US-4735107-$ or US-3622116-$ or US-3985322-$ or US-2588009-$ or US-2271928-$ or US-3835623-$ or US-2103106-$ or US-7121417-$ or US-6497395-$ or US-1794700-$ or US-1196617-$ or US-2210235-$).did. or (US-2271928-$ or US-3052484-$).did.					
L293	34	("10750833"|"3567298"|"6371321"|"20060076261"|"4564732"|"5454634"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"20040149754"|"3552817"|"7350648"|"11008136"|"7837165"|"20070006542"|"4660725"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:05 AM

L294	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:05 AM

		US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-					

		2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$).did. or (US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US-					

		0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US-					

		D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US-					

		8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US-					

		5240264-$ or US-D326815-$ or US-5105947-$).did. or (US-D325324-$ or US-5098235-$ or US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4805859-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3743372-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ or US-9850029-$).did. or (US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$ or US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$).did. or (US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-					

		0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US-				

		0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L295	58	(US-20210104909-$ or US-20200078929-$ or US-20120073995-$ or US-20210316909-$ or US-20210221561-$ or US-20210094600-$ or US-20170158216-$ or US-20160213115-$ or US-20140197059-$ or US-20140062042-$ or US-20090288970-$ or US-20070273114-$ or US-20030075468-$ or US-20020030425-$).did. or (US-11283117-$ or US-11066089-$ or US-D649783-$ or US-0104909-$ or US-0078929-$ or US-0073995-$ or US-11230410-$ or US-D941020-$ or US-D936030-$ or US-11155382-$ or US-D932186-$ or US-D920671-$ or US-D919296-$ or US-D918584-$ or US-D897103-$ or US-D876833-$ or US-RE47022-$ or US-D437484-$ or US-5035389-$ or US-0316909-$ or US-0288970-$ or US-0273114-$ or US-0221561-$ or US-0213115-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:06 AM

		0197059-$ or US-0158216-$).did. or (US-0094600-$ or US-0075468-$ or US-0062042-$ or US-0030425-$).did. or (US-0104909-$ or US-0078929-$ or US-0073995-$ or US-0316909-$ or US-0288970-$ or US-0273114-$ or US-0221561-$ or US-0213115-$ or US-0197059-$ or US-0158216-$ or US-0094600-$ or US-0075468-$ or US-0062042-$ or US-0030425-$).did.					
L296	83	L292 not (L293 L294 L295)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:06 AM
L297	3	"10406387"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:11 AM
L298	3	(("7007903") or ("10406387") or ("9132543")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/06/18 01:12 AM
L299	56	("10750833"|"3567298"|"6371321"|"20040256529"|"20130206139"|"6131926"|"20060076261"|"4564732"|"5454634"|"20040074725"|"2103106"|"4735107"|"6354759"|"8292244"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"6123344"|"7007903"|"7121417"|"20040149754"|"3552817"|"7350648"|"6497395"|"11008136"|"7837165"|"20070006542"|"4660725"|"20070045505"|"20110049824"|"2588009"|"9132543"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"10406387"|"10894314"|"2210235"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:29 PM
L300	316	("0509839" | "1084360" | "2042387" | "2430200" | "2970358" | "3117692"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:29 PM

		| "3225865" | "3506321" | "3514170" | "3743372" | "D232798" | "3974898" | "3999818" | "4122925" | "4168076" | "4243279" | "D285986" | "4673070" | "4805859" | "4971201" | "5035445" | "D319016" | "5098235" | "D325324" | "5105947" | "D326815" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5538213" | "5595228" | "5608603" | "5628443" | "5653366" | "D395533" | "5775046" | "5797617" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6050660" | "6082539" | "6085925" | "6109627" | "6176559" | "D437669" | "6305498" | "6347847" | "6367631" | "6371320" | "D456972" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "D525789" | "D527225" | "7147243" | "D536580" | "7219969" | "7263742" | "7367571" | "7503569" | "7658887" | "7690856" | "7779764" | "7780026" | "7841144" | "D630851" | "8028845" | "D649350" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8875888" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" |			

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L302	7	("2271928").urpn. AND	(US-PGPUB; USPAT;	OR	ON	ON	2022/10/18

		(PGPB | USPT | USOC).dbnm.	USOCR)				10:30 PM
L303	40	("0919896" | "1196617" | "1758404" | "1845693" | "1983060" | "2103106" | "2271928" | "2336385" | "2688688" | "2695658" | "2841353" | "3016980" | "3088092" | "3175341" | "3483670" | "3501898").pn. OR ("3835623").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:32 PM
L304	42	(Artificial Intelligence) More like doc: US-2103106-A Text: (US-3281102-A OR US-1247938-A OR US-20050011844-A1 OR US-7121417-B2 OR US-20110180504-A1 OR US-1856044-A OR US-3900110-A OR US-2797817-A OR US-5135194-A OR US-1416969-A OR US-4928913-A OR US-2665869-A OR US-6837384-B2 OR US-2614701-A OR WO-2021253108-A1 OR CN-212233649-U OR CN-211747899-U OR US-3229648-A OR US-3279620-A OR US-20060195980-A1).did.	(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	2022/10/18 10:33 PM
L305	26	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").pn. OR ("8448829").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:37 PM
L306	1371	248/220.21,223.41.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:39 PM
L307	1703	H05K5/0204.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/18 10:39 PM
L308	14	("0857543" | "3697034" | "5538213" | "6109461" | "6402106" | "6978975"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/19 02:59 PM

		| "7140500" | "7392911" | "9173506" | "20060226317" | "20070221597" | "20080237156" | "20150027972").pn. OR ("10398057").urpn. AND (PGPB | USPT | USOC).dbnm.					
L309	49	((US-20220267079-A1 OR US-20180327158-A1 OR US-20170096276-A1 OR US-20170057728-A1 OR US-20110114714-A1 OR US-20160073742-A1 OR US-20050133557-A1 OR US-20210025706-A1 OR US-20020125253-A1).did. AND PGPB.dbnm.) OR ((US-9809368-B2 OR US-8567660-B2 OR US-8308021-B2 OR US-7216764-B2 OR US-6364113-B1 OR US-5341952-A OR US-4022324-A OR US-3464832-A OR US-7204002-B2 OR US-5961129-A OR US-5314199-A OR US-10220294-B1 OR US-7137635-B2 OR US-6019377-A OR US-5645287-A OR US-7044344-B2 OR US-6666362-B1 OR US-5653366-A OR US-4303367-A OR US-6209767-B1 OR US-6036071-A OR US-10933501-B2 OR US-11464335-B2 OR US-10894314-B2 OR US-10222172-B2 OR US-10017134-B2 OR US-7757913-B2 OR US-4858798-A OR US-5081709-A OR US-6311881-B1 OR US-5664292-A OR US-7121417-B2 OR US-6497395-B1 OR US-4817237-A OR US-5456393-A OR US-3835623-A).did. AND	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/26 05:02 PM

		USPT.dbnm.) OR ((US-20050133557-A1).did. AND DWPI.dbnm.) OR ((US-3334953-A OR US-3370236-A OR US-2103106-A OR US-1794700-A).did. AND USOC.dbnm.)					
L310	33	((US-20110049824-A1 OR US-20040074725-A1 OR US-20040256529-A1 OR US-20070045505-A1 OR US-20130206139-A1 OR US-20220112915-A1 OR US-20210329802-A1).did. AND PGPB.dbnm.) OR ((US-9132543-B2 OR US-10406387-B2 OR US-2103106-A OR US-2210235-A OR US-2588009-A OR US-4735107-A OR US-6123344-A OR US-6131926-A OR US-6354759-B1 OR US-7007903-B2 OR US-7121417-B2 OR US-8292244-B2 OR US-10894314-B2 OR US-6497395-B1 OR US-11464335-B2 OR US-10933501-B2 OR US-5244300-A OR US-5282637-A OR US-8448829-B2 OR US-10398057-B1 OR US-6109461-A).did. AND USPT.dbnm.) OR ((US-2271928-A OR US-2336385-A OR US-2103106-A OR US-1247938-A OR US-1196617-A).did. AND USOC.dbnm.)	(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	2022/10/26 05:02 PM
L311	15	((US-11464335-B2 OR US-10933501-B2 OR US-10894314-B2 OR US-10017134-B2 OR US-7757913-B2 OR US-7121417-B2 OR US-6666362-B1 OR US-6497395-B1 OR US-6311881-B1 OR US-6036071-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,	OR	ON	ON	2022/10/26 05:04 PM

		4817237-A OR US-4303367-A OR US-3835623-A).did. AND USPT.dbnm.) OR ((US-20210025706-A1).did. AND PGPB.dbnm.) OR ((US-3370236-A).did. AND USOC.dbnm.)	NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L312	8	("4303367").pn.	(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	2022/10/26 05:04 PM
L313	1	("4303367").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/26 05:04 PM
L314	15	((US-11464335-B2 OR US-10933501-B2 OR US-10894314-B2 OR US-10017134-B2 OR US-7757913-B2 OR US-7121417-B2 OR US-6666362-B1 OR US-6497395-B1 OR US-6311881-B1 OR US-6036071-A OR US-4817237-A OR US-4303367-A OR US-3835623-A).did. AND USPT.dbnm.) OR ((US-20210025706-A1).did. AND PGPB.dbnm.) OR ((US-3370236-A).did. AND USOC.dbnm.)	(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	2022/10/26 05:05 PM
L315	315	("10750833"|"3567298"|"6371321"|"20040256529"|"20130206139"|"6131926"|"20060076261"|"4564732"|"5454634"|"20040074725"|"2103106"|"4735107"|"6354759"|"8292244"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"6123344"|"7007903"|"7121417"|"20040149754	(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,	OR	ON	ON	2022/10/26 05:05 PM

		"|"3552817"|"7350648"|"6497395"|"11008136"|"7837165"|"20070006542"|"4660725"|"20070045505"|"20110049824"|"2588009"|"9132543"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"10406387"|"10894314"|"2210235"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L316	56	("10750833"|"3567298"|"6371321"|"20040256529"|"20130206139"|"631926"|"20060076261"|"4564732"|"5454634"|"20040074725"|"2103106"|"4735107"|"6354759"|"8292244"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"6123344"|"7007903"|"7121417"|"20040149754"|"3552817"|"7350648"|"6497395"|"11008136"|"7837165"|"20070006542"|"4660725"|"20070045505"|"20110049824"|"2588009"|"9132543"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"10406387"|"10894314"|"2210235"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/26 05:05 PM
L317	11	L314 NOT L316	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/10/26 05:05 PM
L318	127	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:18 PM
L319	107	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:18 PM
L320	144	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:19 PM
L321	236	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:19 PM
L322	11	("2020/0165036").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:20 PM

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L324	29	("2019/0106244").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:22 PM
L325	498	("0495537" | "0509839" | "1081378" | "1084360" | "1112943" | "1488460" | "1704480" | "0D85986" | "2042387" | "2100036" | "2103106" | "2124541" | "2210235" | "2386343" | "2430200" | "2558126" | "2588009" | "2939613" | "2970358" | "3005282" | "3117692" | "3186585" | "3225865" | "3351212" | "3423786" | "3424334" | "3506321" | "3514170" | "3550908" | "3552817" | "3567298" | "3743372" | "D232798" | "3851936" | "3935613" | "3974898" | "3999818" | "4043566" | "4122925" | "4168076" | "4171789" | "4243279" | "4491231" | "4524985" | "4564732" | "4577772" | "D285986" | "4639005" | "4643494" | "4660725" | "4673070" | "4684034" | "4693345" | "4735107"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:23 PM

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IPR2024-01400

		| "4805859" | "4817237" | "4929973" | "4971201" | "5022621" | "5035389" | "5035445" | "D319016" | "5098235" | "D325324" | "5104269" | "5105947" | "D326815" | "5154291" | "5185971" | "5240264" | "D340167" | "5282554" | "5301829" | "5325966" | "5356038" | "5356105" | "D352208" | "5375709" | "5429235" | "5429260" | "5433416" | "D361511" | "5454634" | "5494246" | "5538213" | "5595228" | "5608603" | "5622296" | "5628443" | "5653366" | "5664292" | "D395533" | "5775046" | "5797617" | "5807047" | "5850996" | "5890613" | "5951037" | "5957421" | "D415393" | "5988473" | "D420860" | "6036071" | "6050660" | "6082539" | "6082687" | "6085925" | "6098858" | "6109627" | "6123344" | "6131926" | "6132819" | "6176558" | "6176559" | "D437484" | "D437669" | "6305498" | "6347847" | "6354759" | "6367631" | "6371320" | "6371321" | "6371424" | "D456972" | "6431580" | "6497395" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6889838" | "6945546" | "6948691" | "6983946" | "7007903" | "7044484" | "7066475" | "7077372" | "D525789" | "D527225" | "7083061" | "7090085" | "7121417" | "7147243" | "7152752" | "D536580" | "7172164" | "7219969" | "D545697" | "7263742" | "7350648" | "7367571" | "7431172" | "7448115" | "7490800" | "7503569" | "7658887" | "7690856" | "7757913" | "7779764" | "7780026" | "D627967" | "7837165" | "7841144" | "D630851" | "8028845" | "D649350" |					

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

		"D649783" | "D653832" | "8132819" | "8177463" | "D661858" | "8191910" | "D663952" | "D664354" | "D668869" | "8292244" | "D674605" | "8448829" | "8454033" | "8459495" | "8505729" | "8567796" | "8602217" | "8640913" | "8677661" | "D701696" | "8689396" | "8714355" | "8813960" | "8851282" | "8875888" | "8894160" | "8924752" | "8925752" | "8979100" | "8985922" | "D738105" | "D738106" | "D738622" | "9132543" | "D753394" | "D753395" | "D753396" | "D753982" | "9346392" | "D765974" | "D770179" | "9506489" | "9511491" | "D777426" | "9551367" | "9566990" | "D784089" | "9616562" | "9643629" | "D790221" | "9701443" | "9725209" | "D803631" | "9850029" | "D806483" | "9872562" | "9888752" | "D814187" | "D815831" | "D816334" | "10017134" | "D826510" | "RE47022" | "D828671" | "D831352" | "10106180" | "D833744" | "D836995" | "D837515" | "D839681" | "10222172" | "D845080" | "D845081" | "10336359" | "D857387" | "10406387" | "10434638" | "D871013" | "10517398" | "D873085" | "D876833" | "10583962" | "10593962" | "10603783" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "10703534" | "D891875" | "D892565" | "D895375" | "10750833" | "10752150" |					

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		Text: (US-20140375181-A1 OR US-10787186-B2 OR US-20170151972-A1 OR US-20160046309-A1 OR US-9643629-B2 OR US-8567796-B2 OR AU-2010214655-A1 OR US-8936258-B2 OR US-20110049824-A1 OR EP-2289671-A2 OR AU-2010214655-B2 OR EP-2428331-A2 OR US-20140001719-A1 OR US-9566990-B2 OR US-20170217464-A1 OR US-10106180-B2 OR CA-2714163-A1 OR AU-2013202281-A1 OR AU-2013202278-A1 OR US-20150336710-A1).did.	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)				
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L330	40	(Artificial Intelligence) More like doc: US-10894314-B2 Text: (US-20190247995-A1 OR EP-2289671-A2 OR EP-2289671-B1 OR WO-2019033117-A1 OR EP-3988251-A1 OR US-20220117393-A1 OR EP-2289671-A3 OR CN-201923584-U OR ES-2840073-T3 OR CA-3127026-A1 OR US-10865015-B2 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2023/02/11 07:35 PM

		CN-113260487-A OR US-20200398879-A1 OR US-11172761-B2 OR US-20210274932-A1 OR CN-112334281-A OR US-20210229717-A1 OR EP-3820653-A1 OR US-11529984-B2 OR EP-3758895-A1).did.	IBM_TDB)				
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L332	2987	280/47.17,47.19,47.24.ccls.	(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	2023/02/11 07:42 PM
L333	2062	280/47.17,47.19,47.24.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 07:42 PM
L334	777	280/47.18.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 08:34 PM

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L339	42	(Artificial Intelligence) More like doc: US-5906381-A Text: (US-5799958-A OR US-8668209-B1 OR US-7766161-B2 OR US-20080190797-A1 OR US-6170839-B1 OR US-4819800-A OR US-4940299-A OR JP-H0541445-U OR WO-2008036007-A1 OR WO-2008048380-A1 OR US-20070029746-A1 OR US-5378005-A OR EP-2253432-B1 OR EP-3498428-A1 OR EP-2253432-A2 OR CN-106041864-A OR WO-2008048380-B1 OR AU-2010201747-A1 OR AU-2010201747-B2 OR US-4773535-A).did.	(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	2023/02/11 08:40 PM
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L342	432	("0495537" | "0509839"	(US-PGPUB; USPAT;	OR	ON	ON	2023/02/11

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L344	40	(Artificial Intelligence) More like doc: US-20110139665-A1 Text: (EP-2346741-A1 OR WO-2009140965-A1 OR EP-2346741-B1 OR EP-3670102-A1 OR US-20200329837-A1 OR DE-202015005752-U1 OR EP-2346741-A4 OR US-5934466-A OR EP-3337645-A1 OR ES-2775533-T3 OR KR-101465954-B1 OR EP-3337645-B1 OR US-6082539-A OR KR-200453433-Y1 OR WO-2010053625-A1 OR US-7832584-B2 OR US-20100108549-A1	(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	2023/02/11 09:50 PM

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L346	36	("2003/0184034").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 09:53 PM
L347	60	("1794700" | "2103106" | "3131251" | "3928894" | "4401222" | "5000411" | "5709057" | "5803414").pn. OR ("6497395").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 09:55 PM
L348	85	("3356325" | "4525052").pn. OR ("4929973").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 09:56 PM
L349	15	("2386343").urpn. AND (PGPB | USPT | USOC).dbnm.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 09:58 PM
L350	68	("10750833"|"3567298"|"6371321"|"20040256529"|"20130206139"|"6131926"|"11464335"|"4303367"|"20060076261"|"4564732"|"5454634"|"20040074725"|"2103106"|"4735107"|"6354759"|	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:06 PM

		8292244"|"3370236"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"6123344"|"7007903"|"7121417"|"4817237"|"6666362"|"7757913"|"20040149754"|"3552817"|"7350648"|"6497395"|"6036071"|"11008136"|"7837165"|"20070006542"|"4660725"|"20070045505"|"20110049824"|"2588009"|"9132543"|"10933501"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"10406387"|"10894314"|"2210235"|"10017134"|"3835623"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164"|"20210025706"|"6311881").PN.				
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L353	1019	A47B87/02,0292.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:11 PM
L354	2053	206/509.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:11 PM
L355	4075	220/23.4,23.6,23.83,4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:11 PM
L356	3595	220/23.4,23.6,23.83.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:12 PM
L357	2298	280/47.26,47.19.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/02/11 10:12 PM
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		OR CA-2987892-C OR US-10583962-B2 OR US-10703534-B2 OR US-10981696-B2 OR US-11365026-B2 OR US-20180161975-A1 OR US-20220081162-A1 OR US-20200299027-A1 OR US-20180186513-A1 OR US-20190106244-A1 OR US-20210016928-A1 OR US-20210139197-A1 OR US-20210362906-A1 OR US-11192690-B1 OR EP-3288719-B1 OR US-11027883-B1 OR US-20210155374-A1 OR AU-2018271253-B2 OR CA-3108189-A1).did.	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)				
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		4817237-A OR US-4303367-A OR US-3835623-A OR US-11426859-B2 OR US-D896517-S OR US-D816334-S OR US-8567796-B2 OR US-D936030-S OR US-D932186-S OR US-D923935-S OR US-9132543-B2 OR US-11554898-B2 OR US-11529985-B2 OR US-D967693-S OR US-11427382-B2 OR US-10583962-B2 OR US-8657307-B2 OR US-7503569-B2 OR US-7416193-B1 OR US-5906381-A OR US-6123344-A OR US-9776651-B2 OR US-11510486-B2 OR US-3574432-A).did. AND USPT.dbnm.) OR ((US-20210025706-A1 OR US-20210387325-A1 OR US-20200165036-A1 OR US-20180161975-A1 OR US-20170166352-A1 OR US-20070090616-A1 OR US-20050104308-A1 OR US-20210316909-A1 OR US-20190225371-A1 OR US-20110127736-A1 OR US-20110049824-A1 OR US-20170165828-A1 OR US-20120292213-A1 OR US-20120073995-A1 OR US-20030184034-A1 OR US-20220402113-A1 OR US-20220369781-A1 OR US-20150310842-A1 OR US-20230036215-A1 OR US-20210104909-A1 OR US-20210104914-A1 OR US-20030155729-A1 OR US-20020117414-A1 OR US-20230027343-A1 OR US-20220240671-A1 OR	NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

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L377	35	(US-0012694-$ | US-0031019-$ | US-0063776-$ | US-0097926-$ | US-0120679-$ | US-0136626-$ | US-0143090-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/08/22 05:09 PM

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

		0146447-$ | US-0205373-$ | US-0239509-$ | US-11192690-$ | US-11530716-$ | US-11731807-$ | US-20070012694-$ | US-20130239509-$ | US-20140205373-$ | US-20170120679-$ | US-20170143090-$ | US-20180031019-$ | US-20200063776-$ | US-20200146447-$ | US-20220097926-$ | US-20230136626-$ | US-3201035-$ | US-9447804-$).DID.					

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	459	220/4.27.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:21 PM
N2	2439	A45C5/14.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:21 PM
N3	497	A45C7/005,0045.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N4	3454	A45C13/02.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N5	1757	B25H3/02,021,023.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N6	959	B62B1/14.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N7	1107	B62B5/067.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N9	71	B65D2255/00.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N10	959	B25H1/04.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N11	224	B65H2701/533.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:22 PM
N12	904	312/111.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:23 PM
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N15	683	A47B87/02,0292.cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/02/11 11:24 PM

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SUITE 2100
MILWAUKEE WI 53202

MAILED
AUG 2 1 2023
OFFICE OF PETITIONS

In re Application of	:	
Brunner et al.	:	
Application No. 17/132,609	:	DECISION ON PETITION
Filed: December 23, 2020	:	UNDER 37 CFR 1.313(c)
Attorney Docket No. 066749-2863	:	

This is a decision on the petition under 37 CFR 1.313(c), filed August 17, 2023, to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). *See* 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid on June 23, 2023, cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.[1]

Telephone inquiries should be directed to the undersigned at (571) 272-3206.

This application is being referred to Technology Center Art Unit 3736 for processing of the request for continued examination under 37 CFR 1.114 and for consideration of the concurrently filed IDS.

/Liana Walsh/
Liana Walsh
Petition Lead Paralegal Specialist, OPET

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[1] *The request to apply the issue fee to the new Notice may be satisfied by completing and returning the new Part B – Fee(s) Transmittal Form (along with any balance due at the time of submission). Petitioner is advised that the Issue Fee Transmittal Form* ***must*** *be completed and timely submitted to avoid abandonment of the application.*

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

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

Application Number	17/132,609	Filing Date	2020-12-23	Docket Number (if applicable)	066749-2863	Art Unit	3736
First Named Inventor	Yaron Brunner			Examiner Name	GIDEON R WEINERTH		

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 _____

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 180882

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

Signature of Registered U.S. Patent Practitioner			
Signature	/Derek H. Campbell/	Date (YYYY-MM-DD)	2023-08-17
Name	Derek H. Campbell	Registration Number	70608

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.

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PATENT AND TRADEMARK OFFICE

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Alexandria, VA 22313 - 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/132,609	**08/17/2023 02:36:41 PM ET**	**066749-2863**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11731806
CONFIRMATION #	8591	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62632197	AUTHORIZED BY	Derek Campbell
CUSTOMER #	142078	FILING DATE	12/23/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yaron Brunner

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 180882	E20238GE37336932	Sarah Sesterhenn-Lee

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
180882	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1464	PETITIONS REQUIRING THE PETITION FEE SET FORTH IN 37 CFR 1.17(H) (GROUP III)	140.00	1	140.00
1820	REQUEST FOR CONTINUED EXAMINATION (RCE)- 2ND AND SUBSEQUENT REQUEST (SEE 37 CFR 1.114)	2000.00	1	2000.00
			TOTAL AMOUNT:	**$2,140.00**

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Atty. Dkt. No. 066749-2863

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/132,609
Filing Date:	December 23, 2020
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation Number:	8591

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

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

Submitted herewith on Form PTO/SB/08 is a listing of the documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 200
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(4), before the mailing of a first Office action after the filing of a Request for Continued Examination under §1.114.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 18-0882.

Respectfully submitted,

Date August 17, 2023

By /Derek H. Campbell/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8374
Facsimile: (414) 298-8097

Derek H. Campbell
Attorney for Applicant
Registration No. 70,608

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 201
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/132,609
Date Submitted: August 17, 2023				**Filing Date**	December 23, 2020
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	GIDEON R WEINERTH
Sheet	1	of	2	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,201,035	08-17-1965	Martin et al.	
	A2	9,447,804	09-20-2016	Andersson et al.	
	A3	11,192,690	12-07-2021	Brunner et al.	
	A4	11,530,716	12-20-2022	Bastian et al.	
	A5	11,731,807	08-22-2023	Milwaukee Electric Tool Corporation	
	A6	2007/0012694	01-18-2007	Duvigneau	
	A7	2013/0239509	09-19-2013	Wang	
	A8	2014/0205373	07-24-2014	Andersson et al.	
	A9	2017/0120679	05-04-2017	Naiva	
	A10	2017/0143090	05-25-2017	Naiva	
	A11	2018/0031019	02-01-2018	Sjostedt et al.	
	A12	2020/0063776	02-27-2020	Bastian et al.	
	A13	2020/0146447	05-14-2020	Brendel et al.	
	A14	2022/0097926	03-31-2022	Whitmire et al.	
	A15	2023/0136626	05-04-2023	Cai et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Application Document Serial Number-Kind Code[2] (*if known*)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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 2 hours 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, 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 (1-800-786-9199) and select option 2.

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/132,609
				Filing Date	December 23, 2020
Date Submitted: August 17, 2023				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	GIDEON R WEINERTH
Sheet	2	of	2	Attorney Docket Number	066749-2863

Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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 2 hours 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, 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 (1-800-786-9199) and select option 2.

Atty. Dkt. No. 066749-2863

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/132,609
Filing Date:	December 23, 2020
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No.:	8591

PETITION UNDER 37 C.F.R. § 1.313(c) TO WITHDRAW APPLICATION FROM ISSUE PURSUANT TO 37 C.F.R. § 1.313(c)(2)

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

Petitioner hereby petitions the Commissioner under 37 C.F.R. § 1.313(c)(2) to withdraw the above-identified application from issue. The withdrawal from issue is necessary in order to permit consideration of a Request for Continued Examination (RCE) in compliance with 37 C.F.R. § 1.114. The RCE, Information Disclosure Statement (IDS), and cited reference(s) are filed herewith.

The fee set forth in 37 C.F.R. § 1.17(h) ($140) for the Petition and the fee set forth in 37 C.F.R. § 1.17(e) ($2000) for the accompanying RCE is attached hereto. The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application, or credit any overpayment, to Deposit Account No. 18-0882.

Respectfully submitted,

Date August 17, 2023

By /Derek H. Campbell/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8374
Facsimile: (414) 298-8097

Derek H. Campbell
Attorney for Applicant
Registration No. 70,608

UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/132,609	**08/17/2023 02:36:41 PM ET**	**066749-2863**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11731806
CONFIRMATION #	8591	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62632197	FILING DATE	12/23/2020
CUSTOMER #	142078	FIRST NAMED INVENTOR	Yaron Brunner
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 4

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-2863-Petition_to_Withdraw_from_Issue.pdf	1	Petition to Withdraw from Issue	87 KB
066749-2863-RCE.pdf	3	Request for Continued Examination (RCE)	83 KB

Warning: This is not a USPTO supplied RCE fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

066749-2863-SB08.pdf	2	Information Disclosure Statement (IDS) Form (SB08)	158 KB

Warning: This is not a USPTO supplied IDS fillable form. Data in the form cannot be

automatically loaded to other USPTO systems.

066749-2863-IDS_Transmittal.pdf	2	Transmittal Letter	108 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-2863-Petition_to_Withdraw_from_Issue.pdf	62880056FFDF86A27A10AA2A171EFCD8583153DC9C019E56621EAAC856613FDF2234DD6354D3FCBAA143F53AE558C59A3EE1F50EF78611AACDC6A9E335A1B652
066749-2863-RCE.pdf	555AFC9DE20D7CCA17B38F28F4404B6B0A875BADCC18F2700F863551D6040358D7F6E5FCA9AB9373C282AEE22075CBA65279F4345739177EE1FE320950410584
066749-2863-SB08.pdf	3EB90DE767863A53A2A037553FE1F3F7011C9C937786E5EB1819000DBAA9AD495C3D8F2BE931AE60C15EDE13BEDB38251D59C31F272DE83FCBD5EF931FB23EE5
066749-2863-IDS_Transmittal.pdf	81D0367E5BFA7D45121465CEF3A6C7E565AAEE1F20A636569A3D48FA707CF8A6FF9443EEA0D972B53A7383E1CDA863A49F7BD7E866611C0C7E1576799905F401

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the

International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	08/22/2023	11731806	066749-2863	8591

142078 7590 08/02/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

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 Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

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

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

Yaron Brunner, Kibbutz Gvat, ISRAEL;
Grant T. Squiers, Cudahy, WI;
Christopher S. Hoppe, Cedarburg, WI;
Steven W. Hyma, Milwaukee, WI;

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

Milwaukee Electric Tool Corporation, Brookfield, WI;

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.R.W/

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	December 23, 2020
Date Submitted: December 23, 2020				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	7	of	15	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
/G.R.W/	A180	2018/0161975	06-14-2018	Brunner; Yaron	
Change(s) applied	A181	2018/0186513	07-05-2018	Brunner	
to document	A182	2018/0220758	08-09-2018	~~Rothenberger AG~~	Burchia
/A.C./	A183	2018/0290288	10-11-2018	BRUNNER; Yaron	
3/1/2023	A184	2019/0002004	01-03-2019	BRUNNER; Yaron	
	A185	2019/0031222	01-31-2019	TAKYAR et al.	
	A186	2019/0039781	02-07-2019	Kogel	
	A187	2019/0106244	04-11-2019	Brunner et al.	
	A188	2019/0168376	06-06-2019	BROCKET; Stephen	
	A189	2019/0225371	07-25-2019	Hoppe et al.	
	A190	2020/0055534	02-20-2020	HASSELL	
	A191	2020/0147781	05-14-2020	Squiers et al.	
	A192	2020/0165036	05-28-2020	Squiers et al.	
	A193	2020/0243925	07-30-2020	Polakowski et al.	
	A194	2020/0299027	09-24-2020	Brunner et al.	
	A195	D232,798	09-17-1974	Roche et al.	
	A196	D319,016	08-13-1991	Kahl	
	A197	D325,324	04-14-1992	Kahl	
	A198	D326,815	06-09-1992	Meisner et al.	
	A199	D340,167	10-12-1993	Kahl	
	A200	D352,208	11-08-1994	Brookshire	
	A201	D361,511	08-22-1995	Dickinson et al.	
	A202	D395,533	06-23-1998	Morison et al.	
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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	03/11/2021

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	December 23, 2020
Date Submitted: December 23, 2020				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	5	of	15	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
/G.R.W/	A123	2009/0071990	03-19-2009	Jardine et al.	
	A124	2009/0127146	05-21-2009	Krebs; Kolja	
	A125	2009/0145790	06-11-2009	Panosian; Michael Harmik	
	A126	2009/0145866	06-11-2009	Panosian et al.	
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	A130	2010/0052276	03-04-2010	Brunner	
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	A139	2011/0174939	~~07-21-2013~~ 07/2011	Parts Express International Inc.	Taylor
	A140	2012/0074158	03-29-2012	LAFLEUR; ANDRE	
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	A143	2012/0207571	08-16-2012	Scott, Charles Shay	
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	A146	2013/0024468	01-24-2013	Kocsis, Susan C.	
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/G.R.W/	A149	2013/0068903	03-21-2013	~~Peerless Ind Inc.~~	O'Keene

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Date Submitted: December 23, 2020				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	3	of	15	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
/G.R.W/	A61	8,191,910	06-05-2012	Landau et al.	
	A62	8,448,829	05-28-2013	Watanabe; Takata	
	A63	8,454,033	06-04-2013	Tsai	
	A64	8,459,495	06-11-2013	Koenig; Andreas	
	A65	8,505,729	08-13-2013	Sosnovsky et al.	
	A66	8,567,796	10-29-2013	Bar-Erez et al.	
	A67	8,677,661	03-25-2014	Michels; Markus	
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	A69	8,714,355	05-06-2014	Huang	
	A70	8,813,960	08-26-2014	Fjelland; Douglas J.	
	A71	8,875,888	11-04-2014	Koenig; Andreas	
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Change(s) applied to document /A.C./ 3/1/2023	A78	9,566,990	02-14-2017	Bar-Erez; Sharon	
	A79	9,616,562	04-11-2017	Hoppe; Christopher S.	
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/G.R.W/	A91	2003/0094393	05-22-2003	Sahm, III	

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				Filing Date	December 23, 2020
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				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	1	of	15	Attorney Docket Number	066749-2863

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/G.R.W/	A1	2,042,387	05-26-1936	COBB DAVID F	
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	A3	2,970,358	02-07-1961	E. C. Elsner	
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/G.R.W/	A150	2013/0121783	05-16-2013	Kelly; Thomas P.	
	A151	2013/0127129	05-23-2013	Bensman, Mark et al.	
	A152	2013/0154218	06-20-2013	TIILIKAINEN	
	A153	2013/0223971	08-29-2013	Grace IV, Robert W.	
	A154	2013/146551	06-13-2013	~~Electrolux Home Prod Inc.~~	Simpson, et al.
	A155	2014/0076759	03-20-2014	ROEHM et al.	
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	A159	2015/0274362	10-01-2015	CHRISTOPHER et al.	
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	A164	2016/0168880	06-16-2016	Phelan; Matthew	
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	A167	2017/0138382	05-18-2017	Ko	
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	A169	2017/0166352	06-15-2017	Hoppe; Christopher S.	
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	A174	2017/0266804	09-21-2017	Kinskey	
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Change(s) applied to document, /M.I.G./ 3/2/2023

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APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/132,609	**06/23/2023 05:41:48 PM ET**	**066749-2863**

Title of Invention

Utility Assembly and Coupling Mechanism

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8591	FILED BY	Sarah Sesterhenn-Lee
PATENT CENTER #	62327754	AUTHORIZED BY	Derek Campbell
CUSTOMER #	142078	FILING DATE	12/23/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yaron Brunner

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 180882	E20236MH42275709	Sarah Sesterhenn-Lee

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
180882	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 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**

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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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CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Derek Campbell

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
066749-2863-Issue_Fee_Transmittal.pdf	2	Transmittal Letter	90 KB
066749-2863_PTOL.pdf	1	Issue Fee Payment (PTO-85B)	266 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
066749-2863-Issue_Fee_Transmittal.pdf	910D70FF1334B4BD9F9301C1C9522D6C09597F7C52AA22F6B02B02A77CBF898E2548DB37AB48E88CD4B582E8A6610E788B383ED42D039BBB5E04DA422F461511

066749-2863_PTOL.pdf 665095289420E6D1F235519BED3157D556783FD24128F425C23688C72B11ED5C39F1F6641BF5EBD5614408CBC717DA624FDBFFFB9DDAB14FB0EDEF67FCD827AD

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

142078 7590 06/14/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

TITLE OF INVENTION: Utility Assembly and Coupling Mechanism

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	09/14/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
WEINERTH, GIDEON R	3736	220-004270

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

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

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

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Reinhart Boerner Van Deuren s.c.
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)
Milwaukee Electric Tool Corporation	Brookfield, Wisconsin
Keter Plastic LTD.	Herzelyia, Israel

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

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

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

☒ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 18-0882

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29
NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

❑ Applicant asserting small entity status. See 37 CFR 1.27
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

❑ Applicant changing to regular undiscounted fee status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature /Derek H. Campbell/ Date June 23, 2023

Typed or printed name Derek H. Campbell Registration No. 70,608

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 219
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

Atty. Dkt. No. 066749-2863

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/132,609
Filing Date:	December 23, 2020
Examiner:	GIDEON R WEINERTH
Art Unit:	3736
Confirmation No.:	8591

ISSUE FEE TRANSMITTAL

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Enclosed herewith please find Issue Fee Transmittal Form PTOL-85(B).

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

On page 5 of the Notice of Allowability dated June 14, 2023, the Examiner set forth various reasons for allowance. While the Applicant agrees that the allowed claims recite a combination of subject matter that is patentable over the cited references, the Applicant notes that the recited subject matter as well as various other subject matter and/or combinations of subject matter may be patentable for other reasons than those given by the Examiner. The Applicant expressly reserves the right to set forth additional and/or alternative reasons for patentability and/or allowance in connection with the present Application or in any other future proceeding.

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 220
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

REMARKS

These Comments on Statement of Reasons for Allowance under 37 C.F.R. § 1.104 are intended to be responsive to the Notice of Allowance dated June 14, 2023.

The requisite fees for payment of the Issue Fee are being charged to Deposit Account No. 18-0882.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 18-0882.

Respectfully submitted,

Date June 23, 2023

By /Derek H. Campbell/

Reinhart Boerner Van Deuren s.c.
Customer Number: 142078
Telephone: (414) 298-8374
Facsimile: (414) 298-8097

Derek H. Campbell
Attorney for Applicant
Registration No. 70,608

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 221
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

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

142078 7590 06/14/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

EXAMINER
WEINERTH, GIDEON R

ART UNIT	PAPER NUMBER
3736	

DATE MAILED: 06/14/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

TITLE OF INVENTION: Utility Assembly and Coupling Mechanism

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	09/14/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PTOL-85 (Rev. 02/11)

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

142078 7590 06/14/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

TITLE OF INVENTION: Utility Assembly and Coupling Mechanism

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	09/14/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
WEINERTH, GIDEON R	3736	220-004270

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

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

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

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

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

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

❑ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 223
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/132,609	12/23/2020	Yaron Brunner	066749-2863	8591

142078 7590 06/14/2023

Reinhart (Milwaukee Tool)
ATTN: TRAVIS MCDONNELL, PARALEGAL
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

EXAMINER	
WEINERTH, GIDEON R	
ART UNIT	**PAPER NUMBER**
3736	

DATE MAILED: 06/14/2023

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

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

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

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

PTOL-85 (Rev. 02/11)

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2005 - Page 224
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01400

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 17/132,609	Applicant(s) Brunner et al.	
	Examiner GIDEON R WEINERTH	Art Unit 3736	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 5/16/2023.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

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

   Certified copies:

   a) ☐ All b) ☐ Some* c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 5/16/2023.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☑ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/GIDEON R WEINERTH/
Examiner, Art Unit 3736

Continuation of 3. The allowed claim(s) is/are: 21-26,28-29,31-32 and 35-39

EXAMINER'S AMENDMENT

1. 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.

The application has been amended as follows: Claim 21 is amended to clarify the latch recess is elongated along a first lateral axis PARALLEL to the front face of the first utility module as shown below. Claim 28 is amended to provide proper antecedent basis for the longitudinal axis.

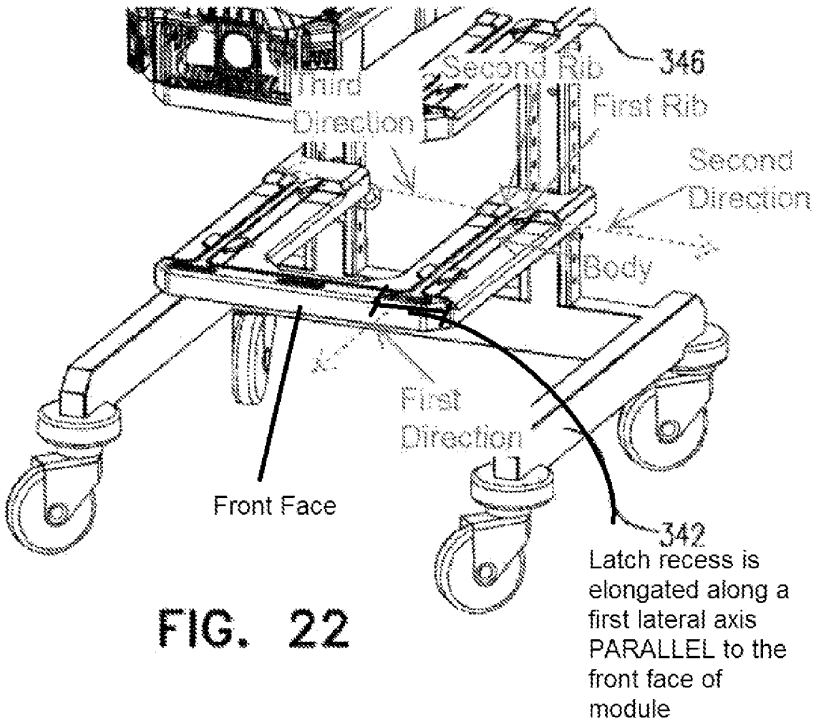


FIG. 22

21. (Examiner's Amendment) A utility module assembly comprising:

a first utility module comprising:

a front face;

a plurality of female couplers comprising a front row of at least two female couplers aligned with each other in a direction parallel to the front face of the first utility module and a rear row of at least two female couplers aligned with each other in the direction parallel to the front face of the first utility module, a first female coupler of the plurality of female couplers comprising a first rib extending in a first direction from a wall above and parallel to an upper face of the first utility module and a second female coupler of the plurality of female couplers comprising a second rib extending opposite the first direction from the wall above and parallel to the upper face of the first utility module, wherein the first rib and the second rib each extend away from each other, and

a latch recess elongated along a first lateral axis ~~perpendicular~~ **parallel** to the front face of the first utility module, the latch recess comprising a depressed surface; and

a second utility module comprising:

a front face;

a plurality of male couplers comprising a front row of at least two male couplers aligned with each other in a direction parallel to the front face of the second utility module and a rear row of at least two male couplers aligned with each other in the direction parallel to the front face of the second utility module, each of the male couplers extending from a bottom face of the second utility module, each of the male couplers comprising a first tongue extending above and parallel to the bottom face of the second utility module, the first tongue configured for arresting engagement between one of the first ribs and the upper face of the first utility module, and

a latch configured to be received in the latch recess, wherein the latch prevents disengagement of the second utility module from the first utility module when one of the first tongues is arrestingly engaged between one of the first ribs and the upper face of the first utility module, the latch interfacing with the depressed surface of the latch recess when the latch is received in the latch recess.

28. (Examiner's Amendment) A coupling platform for a connectable utility module comprising:

a body extending longitudinally along a first longitudinal axis in a first direction, the body defining a first width perpendicular to the first longitudinal axis;

a first rib extending away from the body and the first longitudinal axis along a first lateral axis in a second direction perpendicular to the first direction, the first rib configured to

arrestingly engage between a first face of a utility module and a first male coupler extending from the first face of the utility module, the first male coupler comprising a first tongue extending above and parallel to the first face of the utility module;

a second rib extending away from the body and the first longitudinal axis along the first lateral axis in a third direction opposite the second direction and perpendicular to the first direction, the second rib configured to arrestingly engage between the first face of the utility module and a second male coupler extending from the first face of the utility module, the second male coupler comprising a second tongue extending above and parallel to the first face of the utility module, a second width defined by the first rib and the second rib that is perpendicular to the first longitudinal axis and that is greater than the first width;

a third rib extending away from the body and the first longitudinal axis along a second lateral axis in a fourth direction parallel to the second direction, the third rib configured to arrestingly engage between the first face of the utility module and a third male coupler extending from the first face of the utility module, the first male coupler comprising a third tongue extending above and parallel to the first face of the utility module, the third male coupler distinct from the first male coupler; and

a fourth rib extending away from the body and the first longitudinal axis along the second lateral axis in a fifth direction opposite the fourth direction, the fourth rib configured to arrestingly engage between the first face of the utility module and a fourth male coupler extending from the first face of the utility module, the fourth male coupler comprising a fourth tongue extending above and parallel to the first face of the utility module, the fourth male coupler distinct from the second male coupler, a third width defined by the third rib and the fourth rib that is perpendicular to the first longitudinal axis and that is greater than the first width; and

a latch recess in the body and positioned along the **first** longitudinal axis, the latch recess elongated along a third lateral axis perpendicular to the first longitudinal axis, the latch recess configured to receive a latch in a locked position in which the latch prevents disengagement of the body from the utility module when the first rib is engaged between the first face and the first male coupler, the second rib is engaged between the first face and the second male coupler, the third rib is engaged between the first face and the third male coupler, and the fourth rib is engaged between the first face and the fourth male coupler, the latch recess comprising a

depressed surface configured to interface with the latch when the latch is received in the latch recess.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: The present claims involve a novel rib engagement system in combination with an elongated locking latch not suggested by the prior art. Furthermore, the embodiment seen in Figure 22 requires only opposing pairs of ribs in a minimum 2x2 female coupler arrangement in conjunction with the elongated latch recess that is distinct from the previously patented subject matter.

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."

Furthermore, the additional IDS of May 16, 2023 does not change the determination of allowability.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GIDEON R. WEINERTH whose telephone number is (571)270-5121. The examiner can normally be reached Monday-Friday 10AM-6PM EST.

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, Greg Pickett can be reached on (571) 272-4560. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/GIDEON R WEINERTH/
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	Date	Examiner

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IPR2024-01400

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

A45C5/14	03/11/2021	GW
A45C7/005,0045	03/11/2021	GW
A45C13/02	03/11/2021	GW
B25H3/02,021,023	03/11/2021	GW
B62B1/14	03/11/2021	GW
B62B5/067	03/11/2021	GW
B65D21/0223,0209,0228	03/11/2021	GW
B65D2255/00	03/11/2021	GW
B25H1/04	03/11/2021	GW
B65H2701/533	03/11/2021	GW
Update Search	07/17/2021	GW
B25H3/023	01/05/2022	GW
B65D21/02	01/05/2022	GW
A45F2005/026	06/16/2022	GW
A62B7/10	06/16/2022	GW
A62B9/04	06/16/2022	GW
A62B18/006	06/16/2022	GW
A62B25/00	06/16/2022	GW
A63H33/062,08,084,086	06/16/2022	GW
F16B21/09	06/16/2022	GW
F16B2/20	06/16/2022	GW
F16M11/041,40,10	06/16/2022	GW
H01R13/627,6271,6272,6273,62787	06/16/2022	GW
B60R11/00,02	10/25/2022	GW
A45C7/0045	02/11/2023	GW
A47B87/02,0292	02/11/2023	GW
B65D21/0204,0217	02/11/2023	GW
B25H3/021,023,027,028,04,06	02/11/2023	GW

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
312	111,199,108	01/05/2022	GW
24	598.4	06/16/2022	GW
246	220.1,224.51	06/16/2022	GW
224	547	10/25/2022	GW
206	509	02/11/2023	GW
220	23.4,23.6,23.83,4.27	02/11/2023	GW
280	47.17,47.18,47.19,47.24.	02/11/2023	GW

* 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**
Inventor search, IDS Search, update search from applications 15826201, 15826232, 16216724, 16752441	03/11/2021	GW
Update search, cross reference from prior applications	10/25/2022	GW
Update search, Inventor search AI MLTD search	02/11/2023	GW
Update search for IDS of 5/16/2023	05/31/2023	GW

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	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
A45C5	14	02/11/2023	GW
A45C7	005,0045	02/11/2023	GW
A45C13	02	02/11/2023	GW
A47B87	02,0292	02/11/2023	GW
B25H1	04	02/11/2023	GW
B25H3	02,021,023,027,028,04,06	02/11/2023	GW
B62B1	14	02/11/2023	GW
B62B5	067	02/11/2023	GW
B65D21	0223,0209,0228,0204,0217	02/11/2023	GW
B65D2255	00	02/11/2023	GW
B65H2701	533	02/11/2023	GW
220	4.27	02/11/2023	GW
312	111	02/11/2023	GW

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

CPC						
Symbol					**Type**	**Version**
B65D	/	21	/	0223	F	2013-01-01
B25H	/	3	/	02	I	2013-01-01
A45C	/	5	/	14	I	2013-01-01
A45C	/	7	/	005	I	2013-01-01
A45F	/	3	/	10	I	2013-01-01
B25H	/	1	/	04	I	2013-01-01
A45C	/	13	/	02	I	2013-01-01
B25H	/	3	/	021	I	2013-01-01
B65D	/	21	/	0209	I	2013-01-01
B62B	/	1	/	14	I	2013-01-01
B65D	/	21	/	0228	I	2013-01-01
B65H	/	2701	/	533	A	2013-01-01
A45C	/	7	/	0045	A	2013-01-01
B25H	/	3	/	023	A	2013-01-01
B62B	/	5	/	067	A	2013-01-01
B65D	/	2255	/	00	A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	31 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230531

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IPR2024-01400

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/132,609	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

INTERNATIONAL CLASSIFICATION				
CLAIMED				
B25H	/	3	/	00
B25H	/	3	/	04
B65D	/	21	/	02

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
280	47.26	47.19				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	31 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230531

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	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

☐ 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		10		19	8	28	14	37						
	2		11		20	9	29	7	38						
	3		12	1	21		30	15	39						
	4		13	2	22	12	31								
	5		14	3	23	13	32								
	6		15	4	24		33								
	7		16	6	25		34								
	8		17	5	26	10	35								
	9		18		27	11	36								

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	15	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	31 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	31	22

U.S. Patent and Trademark Office — Part of Paper No.: 20230531

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

CLAIMS

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

CLAIM		DATE								
Final	Original	07/18/2021	01/07/2022	06/18/2022	10/26/2022	02/13/2023				
	21	✓	✓	✓	✓	=				
	22	✓	✓	✓	✓	=				
	23	✓	✓	✓	✓	=				
	24	✓	✓	✓	✓	=				
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	37		✓	✓	✓	=				
	38				✓	=				
	39				✓	=				

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Bibliographic Data

Application No: 17/132,609

Foreign Priority claimed: ○ Yes ◉ No

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

Verified and Acknowledged: /GIDEON R WEINERTH/ (Examiner's Signature) G.R.W (Initials)

Title: Utility Assembly and Coupling Mechanism

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
12/23/2020	220	3736	066749-2863
RULE			

APPLICANTS

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Christopher S. Hoppe, Cedarburg, WI, UNITED STATES

Steven W. Hyma, Milwaukee, WI, UNITED STATES

CONTINUING DATA

This application is a CON of 17064371 10/06/2020 PAT 11427382

17064371 is a CON of 16752441 01/24/2020 PAT 11008136

16752441 is a CON of 16216724 12/11/2018 PAT 10583962

16216724 is a CON of 15826232 11/29/2017 PAT 10703534

15826232 is a CON of PCT/IL2017/050481 04/30/2017

PCT/IL2017/050481 has PRO of 62459076 02/15/2017

PCT/IL2017/050481 has PRO of 62330334 05/02/2016

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

01/07/2021

STATE OR COUNTRY

ISRAEL

ADDRESS

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UNITED STATES

FILING FEE RECEIVED

$6,160

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1051	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	(USPAT)	OR	ON	ON	2021/03/05 12:56 AM
L2	76	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L3	65	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L4	99	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L5	173	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L6	570	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L7	411	B65D21/0223.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L8	2264	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:57 AM
L9	96	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/05 12:58 AM
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L21	291	(US-D192092-$ | US-0000440-$ | US-0002004-$ | US-0006770-$ | US-0023349-$ | US-0024468-$ | US-0026901-$ | US-0027475-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0034515-$ | US-0038367-$ | US-0039781-$ | US-0044059-$ | US-0052276-$ | US-0055534-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0071990-$ | US-0073516-$ | US-0074158-$ | US-0076759-$ | US-0090616-$ | US-0094393-$ | US-0099405-$ | US-0103494-$ | US-0104308-$ | US-0104921-$ | US-0106244-$ | US-0115312-$ | US-0115715-$ | US-0119060-$ | US-0121056-$ | US-0121547-$ | US-0121783-$ | US-0125072-$ | US-0127129-$ | US-0127146-$ | US-0130034-$ | US-0134607-$ | US-0138382-$ | US-0139566-$ | US-0139665-$ | US-0139745-$ | US-0144500-$ | US-0145700-$ | US-0145790-$ | US-0145866-$ | US-0145913-$ | US-0146589-$ | US-0147642-$ | US-0147781-$ | US-0153312-$ | US-0154218-$ | US-0155613-$ | US-0160886-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:40 PM

		0161518-$ | US- 0161975-$ | US- 0165036-$ | US- 0165828-$ | US- 0166352-$ | US- 0166516-$ | US- 0168376-$ | US- 0168880-$ | US- 0169739-$ | US- 0171228-$ | US- 0174392-$ | US- 0174939-$ | US- 0178946-$ | US- 0180250-$ | US- 0181008-$ | US- 0184034-$ | US- 0186513-$ | US- 0186624-$ | US- 0194543-$ | US- 0195793-$ | US- 0205877-$ | US- 0206656-$ | US- 0207571-$ | US- 0217464-$ | US- 0219193-$ | US- 0220531-$ | US- 0220758-$ | US- 0221177-$ | US- 0223971-$ | US- 0225371-$ | US- 0236482-$ | US- 0239808-$ | US- 0242144-$ | US- 0243925-$ | US- 0254946-$ | US- 0257958-$ | US- 0266804-$ | US- 0271280-$ | US- 0271616-$ | US- 0274362-$ | US- 0277221-$ | US- 0290288-$ | US- 0292213-$ | US- 0296443-$ | US- 0299027-$ | US- 0308369-$ | US- 0318927-$ | US- 0320243-$ | US- 0326406-$ | US- 0349013-$ | US- 0376917-$ | US- 10106180-$ | US- 10434638-$ | US- 10583962-$ | US- 10758065-$ | US- 2042387-$ | US- 2430200-$ | US- 2970358-$ | US-					

		20020000440-$ | US- 20020125072-$ | US- 20020171228-$ | US- 20030094393-$ | US- 20030115715-$ | US- 20030146589-$ | US- 20030184034-$ | US- 20030205877-$ | US- 20040103494-$ | US- 20040195793-$ | US- 20040206656-$ | US- 20050062244-$ | US- 20050104308-$ | US- 20050139745-$ | US- 20050242144-$ | US- 20060006770-$ | US- 20060027475-$ | US- 20060038367-$ | US- 20060119060-$ | US- 20060186624-$ | US- 20060254946-$ | US- 20070068757-$ | US- 20070090616-$ | US- 20070145700-$ | US- 20070194543-$ | US- 20080104921-$ | US- 20080115312-$ | US- 20080121547-$ | US- 20080134607-$ | US- 20080169739-$ | US- 20080271280-$ | US- 20080277221-$ | US- 20080296443-$ | US- 20080308369-$ | US- 20090026901-$ | US- 20090071990-$ | US- 20090127146-$ | US- 20090145790-$ | US- 20090145866-$ | US- 20090145913-$ | US- 20090178946-$ | US- 20090236482-$ | US- 20100052276-$ | US- 20100139566-$ | US- 20100147642-$ | US- 20100219193-$ | US- 20110073516-$ | US- 20110139665-$ | US- 20110155613-$ | US- 20110174939-$ | US- 20110181008-$ | US- 20110220531-$ | US- 20120074158-$ | US- 20120160886-$ | US- 20120180250-$ | US- 20120207571-$ | US- 20120292213-$ | US- 20120326406-$ | US-					

		20130024468-$ | US-20130031731-$ | US-20130031732-$ | US-20130068903-$ | US-20130121783-$).DID.					
L22	188	(US-20130127129-$ | US-20130154218-$ | US-20130223971-$ | US-20140076759-$ | US-20140161518-$ | US-20140166516-$ | US-20140000-$ | US-20150034515-$ | US-20150274362-$ | US-20150376917-$ | US-20160023349-$ | US-20160130034-$ | US-20160144500-$ | US-20160168880-$ | US-20160221177-$ | US-20170121056-$ | US-20170138382-$ | US-20170165828-$ | US-20170166352-$ | US-20170174392-$ | US-20170217464-$ | US-20170239808-$ | US-20170257958-$ | US-20170266804-$ | US-20170318927-$ | US-20170349013-$ | US-20180044059-$ | US-20180099405-$ | US-20180153312-$ | US-20180161975-$ | US-20180186513-$ | US-20180220758-$ | US-20180290288-$ | US-20190002004-$ | US-20190031222-$ | US-20190039781-$ | US-20190106244-$ | US-20190168376-$ | US-20190225371-$ | US-20200055534-$ | US-20200147781-$ | US-20200165036-$ | US-20200243925-$ | US-20200299027-$ | US-3117692-$ | US-3225865-$ | US-3506321-$ | US-3514170-$ | US-3743372-$ | US-3974898-$ | US-4168076-$ | US-4805859-$ | US-4971201-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:40 PM

		5035445-$ | US- 5098235-$ | US- 5105947-$ | US- 5240264-$ | US- 5282554-$ | US- 5301829-$ | US- 5429260-$ | US- 5538213-$ | US- 5595228-$ | US- 5608603-$ | US- 5628443-$ | US- 5653366-$ | US- 5775046-$ | US- 5797617-$ | US- 5890613-$ | US- 5951037-$ | US- 5957421-$ | US- 5988473-$ | US- 6050660-$ | US- 6085925-$ | US- 6109627-$ | US- 6176559-$ | US- 6305498-$ | US- 6347847-$ | US- 6367631-$ | US- 6371320-$ | US- 6431580-$ | US- 6547347-$ | US- 6601930-$ | US- 6619772-$ | US- 6637707-$ | US- 6641013-$ | US- 6945546-$ | US- 6948691-$ | US- 6983946-$ | US- 7044484-$ | US- 7066475-$ | US- 7147243-$ | US- 7263742-$ | US- 7367571-$ | US- 7503569-$ | US- 7658887-$ | US- 7779764-$ | US- 7780026-$ | US- 7841144-$ | US- 8028845-$ | US- 8132819-$ | US- 8177463-$ | US- 8191910-$ | US- 8448829-$ | US- 8454033-$ | US- 8459495-$ | US- 8505729-$ | US- 8567796-$ | US- 8677661-$ | US- 8689396-$ | US- 8714355-$ | US- 8813960-$ | US-					

		8875888-$ | US- 8979100-$ | US- 8985922-$ | US- 9132543-$ | US- 9506489-$ | US- 9511491-$ | US- 9566990-$ | US- 9616562-$ | US- 9643629-$ | US- 9701443-$ | US- 9725209-$ | US- 9872562-$ | US- D232798-$ | US- D319016-$ | US- D325324-$ | US- D326815-$ | US- D340167-$ | US- D352208-$ | US- D361511-$ | US- D395533-$ | US- D415393-$ | US- D420860-$ | US- D437669-$ | US- D456972-$ | US- D525789-$ | US- D527225-$ | US- D536580-$ | US- D630851-$ | US- D649350-$ | US- D653832-$ | US- D661858-$ | US- D663952-$ | US- D664354-$ | US- D668869-$ | US- D674605-$ | US- D701696-$ | US- D738105-$ | US- D738106-$ | US- D753394-$ | US- D753395-$ | US- D753396-$ | US- D765974-$ | US- D770179-$ | US- D777426-$ | US- D784089-$ | US- D790221-$ | US- D803631-$ | US- D806483-$ | US- D814187-$ | US- D815831-$ | US- D816334-$ | US- D826510-$ | US- D828671-$ | US- D831352-$ | US- D833744-$ | US- D836995-$ | US- D837515-$ | US- D839681-$ | US-					

		D845080-$ | US-D845081-$ | US-D857387-$ | US-D871013-$ | US-D873085-$ | US-D880252-$ | US-D880951-$ | US-D883752-$ | US-D887788-$ | US-D888422-$ | US-D888503-$ | US-D891193-$ | US-D891195-$ | US-D891875-$ | US-D892565-$).DID.					
L23	5	(US-D895375-$ | US-D895966-$ | US-D895967-$ | US-D896517-$ | US-D896518-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:41 PM
L24	2	(("9850029") or ("20120074022")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 04:42 PM
L25	12	("1882756" | "2361079" | "2374037" | "2488067" | "3985409" | "4621308" | "7278234").PN. OR ("9850029").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L26	1056	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	(USPAT)	OR	ON	ON	2021/03/11 04:42 PM
L27	76	((("Brunner") near3 ("Yaron"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L28	65	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L29	99	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L30	174	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:42 PM
L31	570	220/4.27.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:44 PM
L32	412	B65D21/0223.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:44 PM
L33	2264	A45C5/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L34	96	A45C7/005.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L35	3426	A45C13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM

L36	947	B25H1/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L37	1369	B25H3/02,021.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L38	1162	B62B1/14.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:45 PM
L39	753	B65D21/0209,0228.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L40	382	A45C7/0045.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L41	476	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L42	979	B62B5/067.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L43	45	B65D2255/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L44	209	B65H2701/533.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 04:46 PM
L45	160	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20100052276" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:12 PM

		"20100139566" | "20100147642" | "20100219193" | "20110073516" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925").PN. OR ("6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707"					

		| "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888" | "8985922" | "9132543" | "9506489" | "9566990" | "9616562" | "9643629" | "9701443" | "9872562" | "D525789" | "D630851" | "D663952" | "D664354" | "D674605" | "D701696" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D833744" | "D837515").PN. OR ("10583962").URPN.					
L46	364	("2430200").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:24 PM
L47	10	(("0713577") or ("1015584") or ("0213740") or ("2371856") or ("2360933")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:26 PM
L48	1	("20200223585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:28 PM
L49	0	("2020/0223585").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:28 PM
L50	8	("2019/0002004").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:30 PM
L51	0	("2020/0029543").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:42 PM
L52	47	("3606372"|"4170801"|"9832985"|"4643302"|"6119858"|"20090165358"|"7415794"|"1980104"|"20140165450"|"20150021871"|"3138891"|"4918853"|"5159777"|"5203815"|"20150021871"|"10375944"|"20070045973"|"20140068998"|"20150150231"|"2097185"|"0908903"|"20050235552"|"20130255132"|"2640622"|"3802113"|"2591	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:43 PM

		674"|"20050034949"|"2650449"|"D451670"|"10149537"|"3399009"|"4858366"|"5319874"|"6467779"|"10624454"|"20110239525"|"20140175092"|"5340135"|"6283288").PN.					
L53	67	("3194426" | "3642337" | "4192562" | "4893719" | "5263576" | "5299688" | "5310071").PN. OR ("5890613").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 05:47 PM
L54	20	(("0193339") or ("0505110") or ("0512496") or ("0841872") or ("0891110") or ("1565993") or ("1721558") or ("1965175") or ("2735608") or ("2860024")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 05:50 PM
L55	29	("1084360").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:52 PM
L56	13	("3379482").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:57 PM
L57	8	("2017/0165828").URPN.	(USPAT)	OR	ON	ON	2021/03/11 05:59 PM
L58	8	("2019/0225371").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:04 PM
L59	7	("2011/0139777").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:06 PM
L60	15	("2005/0199522").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:08 PM
L61	8	("2018/0044059").URPN.	(USPAT)	OR	ON	ON	2021/03/11 06:12 PM
L62	33	("0299381" | "1281299" | "2758798" | "2776792" | "3182856" | "3339608" | "3533541" | "3599828" | "3642337" | "3650553" | "3842981" | "3982676" | "4408812" | "4566588" | "4681219" | "4711353").PN. OR ("4817809").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 06:15 PM
L63	17	("20030005594" | "2271928" | "2345312" | "2963946" | "3537697" | "4817809" | "4968012" | "5107599" | "5244300" | "5481811" | "5829151" | "6298572" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 06:15 PM

		"8621761").PN. OR ("10933501").URPN.					
L64	8	(("0287473") or ("0340567") or ("0664043") or ("1632243")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 06:17 PM
L65	0	("2018/0079580").URPN.	(USPAT)	OR	ON	ON	2021/03/11 10:04 PM
L66	0	("2020/0243925").URPN.	(USPAT)	OR	ON	ON	2021/03/11 10:25 PM
L67	103	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:26 PM
L68	61	("0511617" | "1890000" | "2492697" | "2557630" | "2807387" | "3203744" | "3283915" | "3514170" | "3743372" | "3758181" | "3918781" | "3999818" | "4026615" | "4056295" | "4120549").PN. OR ("4243279").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:29 PM
L69	14	("3899229" | "4054344" | "4087145" | "4216857" | "4243279" | "D238401" | "D247794").PN. OR ("D285986").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:30 PM
L70	53	("2593998" | "2653072" | "2730423" | "3131829" | "3219400" | "3514170" | "3552817" | "3563624" | "3743372" | "3814489").PN. OR ("3999818").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 10:31 PM
L71	23	(US-20120074022-$ or US-20190225371-$ or US-20070090616-$ or US-20190002004-$ or US-20200029543-$ or US-20170165828-$ or US-20180200875-$ or US-20110139777-$ or US-20180044059-$ or US-20200243925-$).did. or (US-9850029-$ or US-10583962-$ or US-6637707-$ or US-5628443-$ or US-5890613-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:22 PM

		D898320-$ or US-4817809-$ or US-10933501-$ or US-4243279-$ or US-D285986-$ or US-3999818-$ or US-8925752-$).did. or (US-1084360-$).did.					
L72	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:22 PM

		20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$) did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-					

		20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174939-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0168376-$).did. or (US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-					

		0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US-				

		0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US-				

		8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US-					

		5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US-				

		0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US-				

		0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L73	11	L71 not L72	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/03/11 11:23 PM
L74	1	("20200223585").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/03/11 11:37 PM
L75	50	(US-0014949-$ | US-0031975-$ | US-0039831-$ | US-0069832-$ | US-0123478-$ | US-0139777-$ | US-0152944-$ | US-0224528-$ | US-0229889-$ | US-0346819-$ | US-10603783-$ | US-10703534-$ | US-10750833-$ | US-10793172-$ | US-10829269-$ | US-20100224528-$ | US-20110139777-$ | US-20120152944-$ | US-20140069832-$ | US-20140123478-$ | US-20150014949-$ | US-20180229889-$ | US-20200346819-$ | US-20210031975-$ | US-20210039831-$ | US-4122925-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:23 AM

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IPR2024-01400

		4673070-$ | US-5325966-$ | US-5375709-$ | US-5429235-$ | US-5433416-$ | US-6082539-$ | US-6889838-$ | US-7219969-$ | US-7690856-$ | US-8602217-$ | US-8640913-$ | US-D285986-$ | US-D738622-$ | US-D753982-$).DID.					
L76	26	("1084360" | "20080121547" | "20100224528" | "20110139665" | "20110155613" | "20140062281" | "20150069962" | "20150274362" | "20170318927" | "3410376" | "3757911" | "3891230" | "4643494" | "5544751" | "5971119" | "6098819" | "6213266" | "6367631" | "6585090" | "8561769" | "8590704" | "8602217").PN. OR ("10750833").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:24 AM
L77	31	("1084360").URPN.	(USPAT)	OR	ON	ON	2021/07/18 02:25 AM
L78	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:33 AM

		US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-					

		20180044059-$ or US- 20170349013-$ or US- 20170318927-$ or US- 20170266804-$ or US- 20170257958-$ or US- 20170239808-$ or US- 20170217464-$ or US- 20170174392-$ or US- 20170166352-$ or US- 20170165828-$ or US- 20170138382-$ or US- 20170121056-$ or US- 20160221177-$ or US- 20160168880-$ or US- 20160144500-$ or US- 20160130034-$ or US- 20160023349-$ or US- 20150376917-$ or US- 20150274362-$ or US- 20150034515-$ or US- 20140166516-$ or US- 20140161518-$ or US- 20140076759-$ or US- 20130223971-$ or US- 20130154218-$ or US- 20130127129-$ or US- 20120074022-$) did. or (US-10758065-$ or US- 10583962-$ or US- 10434638-$ or US- 10106180-$ or US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$) did. or (US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US-				

		0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$) did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$) did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US-				

		0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US-					

		9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US-				

		6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US-				

		0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US-				

		0145790-$ or US-0145700-$ or US-0144500-$ or US-0139745-$ or US-0139665-$ or US-0139566-$ or US-0138382-$ or US-0134607-$ or US-0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L79	29	L78 and stand	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:34 AM
L80	103	L78 and wheel$4	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 02:35 AM

L81	1	"20060076261".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:02 AM
L82	1	L75 and ko	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:03 AM
L83	8	(US-20200029543-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$).did. or (US-1084360-$).did.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:03 AM
L84	1	L83 and ko	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:04 AM
L85	186	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20110073516" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:04 AM

		"20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947").PN. OR ("5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320"					

		| "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888" | "8979100" | "8985922" | "9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9872562" | "D395533" | "D437669" | "D456972" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D828671" | "D833744" | "D837515" | "D871013").PN. OR ("D898320").URPN.					
L86	16	("2017/0138382").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:06 AM
L87	109	("2708088" | "3878589" | "3915189" | "3931893" | "4450989" | "4461445" | "4858869" | "5026016" | "5035389" | "5078279" | "5344032" | "5356038" | "5433416" | "5435511" | "5452874" | "5765699" | "5915572" | "D329192" | "D386298" | "D386304").PN. OR ("6637707").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:11 AM
L88	20	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:13 AM

		| "6824114").PN. OR ("7837165").URPN.					
L89	93	("2732159" | "2887233" | "3294355" | "3622116" | "3840261" | "3878589" | "3915189" | "3928894" | "4176580" | "4858869" | "5026016" | "5086958" | "D329192").PN. OR ("5433416").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:23 AM
L90	56	("1537678" | "20060165484" | "2028229" | "2116584" | "2735146" | "2863185" | "3336689" | "3552056" | "3798867" | "4275972" | "4407106" | "4570408" | "5090835" | "5433416" | "5704183" | "6017093" | "6036398" | "6186691" | "6227754" | "6341467" | "6357960" | "6578341" | "6874291" | "6991397" | "7331781" | "7398622" | "D384271").PN. OR ("8147162").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:25 AM
L91	23	("2735146").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:26 AM
L92	45	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN. OR ("7007903").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:27 AM
L93	99	("0626684" | "1077792" | "1720309" | "2239978" | "2610014" | "2975578" | "3021105" | "3452954" | "3491820" | "3525493" | "3927315" | "4018341" | "4246710" | "4319731" | "4539766" | "4557064" | "4713899" | "4718626" | "4995182" | "5086958" | "5109992" | "5109993"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 03:28 AM

		| "5275367" | "5346166" | "5415370" | "5485930" | "5678795" | "5683003" | "5702008" | "5722625" | "5871118" | "D294113" | "D316729").PN. OR ("6082687").URPN.					
L94	2	("594035").URPN.	(USPAT)	OR	ON	ON	2021/07/18 03:31 AM
L95	631	E04F15/10.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:32 AM
L96	378	E04F13/18.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:32 AM
L97	67	E04B1/00.cpc.	(USPAT)	OR	ON	ON	2021/07/18 03:33 AM
L98	378	("2430200").URPN.	(USPAT)	OR	ON	ON	2021/07/18 07:00 PM
L99	46	(US-20200029543-$ or US-20110139665-$ or US-20200055534-$ or US-20150376917-$ or US-20130031732-$ or US-20100147642-$ or US-20100052276-$ or US-20060076261-$ or US-20180220758-$ or US-20180044059-$ or US-20170138382-$ or US-20140161518-$ or US-20130223971-$ or US-20090145866-$ or US-20070090616-$ or US-20050139745-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$ or US-10750833-$ or US-11008136-$ or US-9132543-$ or US-6637707-$ or US-10890207-$ or US-7837165-$ or US-5356105-$ or US-5282554-$ or US-5226625-$ or US-5035389-$ or US-7172164-$ or US-5435511-$ or US-5433416-$ or US-4461445-$ or US-10472117-$ or US-8147162-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM

		D905545-$ or US-7007903-$ or US-6481679-$ or US-6082687-$).did. or (US-3927315-$ or US-4620736-$).did. or (US-1084360-$ or US-0594035-$).did.					
L100	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM

		20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-					

		20130127129-$ or US-20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174939-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0168376-$).did. or (US-0166516-$ or US-0166352-$ or US-0165828-$ or US-					

		0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US-				

		0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US-				

		8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US-					

		5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US-				

		0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US-				

		0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L101	29	L99 not L100	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 07:59 PM
L102	9	("1084360"|"10933501"|"20200029543"|"3999818"|"4243279"|"8925752"|"D285986"|"D898320").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:00 PM
L103	21	L101 not L102	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:00 PM
L104	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:02 PM

		US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or					

		US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$) did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$) did. or (US-					

		0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US-				

		0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US-				

		D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US-				

		6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US-					

		2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US-				

		0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$ or US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$).did. or (US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D232798-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$).did.					

L105	5	L104 and gates	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/07/18 08:02 PM
L106	71	(US-0001482-$ | US-0015928-$ | US-0025706-$ | US-0060953-$ | US-0094392-$ | US-0127007-$ | US-0151427-$ | US-0155373-$ | US-0176261-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-1081378-$ | US-10222172-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-2124541-$ | US-2939613-$ | US-20030094392-$ | US-20050015928-$ | US-20080060953-$ | US-20100176261-$ | US-20150151427-$ | US-20150310842-$ | US-20180127007-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-20210267368-$ | US-3423786-$ | US-3424334-$ | US-3935613-$ | US-4817237-$ | US-4929973-$ | US-5356038-$ | US-5356105-$ | US-5622296-$ | US-5664292-$ | US-5850996-$ | US-6098858-$ | US-6371424-$ | US-7077372-$ | US-7090085-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:08 PM
L107	191	("10434638" | "10583962" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:09 PM

		"20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20110073516" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130154218" | "20130223971" | "20140076759" | "20140161518" |				

		"20140166516" | "20150274362" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20170349013" | "20180044059" | "20180161975" | "20180220758" | "20180290288" | "20190002004" | "20190031222" | "20190039781" | "20190106244" | "20190225371" | "20200055534" | "2042387" | "2430200" | "2970358" | "3005282" | "3117692" | "3506321" | "3974898" | "4168076").PN. OR ("5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617" | "5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" | "6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "7779764" | "7780026" | "7841144" | "8028845" | "8132819" | "8177463" | "8191910" | "8454033" | "8459495" | "8505729" | "8567796" | "8677661" | "8689396" | "8714355" | "8813960" | "8875888"					

		| "8979100" | "8985922" | "9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9725209" | "9872562" | "D395533" | "D437669" | "D456972" | "D525789" | "D627967" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D828671" | "D833744" | "D837515" | "D871013" | "D895967").PN. OR ("10981696").URPN.					
L108	12	(("0495537") or ("1081378") or ("2124541") or ("2939613") or ("3423786") or ("3424334")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/12/30 11:14 PM
L109	4	(("4929973") or ("5325966") or ("5154291") or ("5375709")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2021/12/30 11:18 PM
L110	26	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:18 PM
L111	41	("3182856" | "3565146" | "4951812" | "4998616" | "5036980" | "5040681" | "5060851" | "5117979").PN. OR ("5325966").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:22 PM
L112	26	("1038331" | "3047157" | "4216857" | "4272795" | "4413867" | "4722034" | "4976350" | "5038235").PN. OR ("5154291").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:23 PM
L113	8	("3047157").URPN.	(USPAT)	OR	ON	ON	2021/12/30 11:24 PM
L114	78	("3356325" |	(US-PGPUB; USPAT;	OR	ON	ON	2021/12/30

		"4525052").PN. OR ("4929973").URPN.	USOCR)				11:25 PM
L115	12	("10047906" | "10194544" | "10299528" | "10317173" | "3429543" | "4929973" | "5333023" | "9052574" | "9097490" | "9121544" | "9249923").PN. OR ("10711941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2021/12/30 11:25 PM
L116	1	"5325966".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L117	41	("3182856" | "3565146" | "4951812" | "4998616" | "5036980" | "5040681" | "5060851" | "5117979").PN. OR ("5325966").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L118	24	("1472536" | "2709318" | "2803088" | "2843971" | "3521764" | "3584757" | "4109789" | "4144968" | "4391348" | "5325966" | "5607057" | "5649638").PN. OR ("6015046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:55 PM
L119	33	("4619366" | "4936458" | "4960207" | "5325966" | "5332114" | "5544751").PN. OR ("5697500").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 05:56 PM
L120	493	B25H3/023.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:33 PM
L121	261	B65D21/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:33 PM
L122	17	"5154291"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:42 PM
L123	2	(("5154291") or ("5375709")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 06:42 PM
L124	26	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:43 PM
L125	26	("1038331" | "3047157" | "4216857" | "4272795" | "4413867" | "4722034" | "4976350" | "5038235").PN. OR ("5154291").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:43 PM
L126	35	("1733772" | "2499765"	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/04

		| "3899229").PN. OR ("4216857").URPN.	USOCR)				06:44 PM
L127	15	("4216857" | "4583640" | "4624383" | "5050755" | "5105962" | "5159156").PN. OR ("6371321").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:45 PM
L128	10	("3760937" | "4216857" | "4741438" | "D220317" | "D238401").PN. OR ("D328972").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:46 PM
L129	31	("1565993" | "2237176" | "2506844" | "2695723" | "2988412" | "3567298" | "3642337").PN. OR ("3760937").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:47 PM
L130	18	("3635350" | "3642337" | "3760937" | "3812960" | "3889817" | "3909088").PN. OR ("4098402").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:48 PM
L131	7	("3567298").URPN.	(USPAT)	OR	ON	ON	2022/01/04 06:49 PM
L132	59	("3272325" | "3287075" | "3514170" | "3567298" | "3595433" | "3603478" | "3635350" | "3642337" | "3684124" | "3710900").PN. OR ("3904259").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:51 PM
L133	16	("3552817" | "3904259" | "3974898" | "4269461" | "4285559" | "4410093" | "4436355" | "4570793" | "4577914" | "4728158" | "4900090" | "5666713").PN. OR ("6109707").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:58 PM
L134	23	("2233480" | "3751127" | "3841725").PN. OR ("5666713").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 06:59 PM
L135	1723	312/111,199.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:01 PM
L136	10	("2003/0038566").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:04 PM
L137	40	("2011962" | "3514170" | "3552817" | "3743372" | "3851936" | "3999818" | "4198777" | "4238032" | "4353470" | "4589546" | "4744612" | "4782619" | "4874210" | "4907703" | "5046789" | "5137340" | "5176435" | "5191983"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:07 PM

		| "5344024" | "5399004" | "5454634").PN. OR ("6050657").URPN.					
L138	18	("3131829" | "3429632" | "3552579" | "3707023" | "4062302" | "4239306" | "5246284").PN. OR ("5454634").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:08 PM
L139	633	312/108.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:10 PM
L140	109	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:15 PM
L141	118	("0287923" | "1084597" | "1563306" | "20010025460" | "20020054787" | "20020122691" | "20030036314" | "20030044228" | "20040033103" | "20040102132" | "20040121699" | "20040168382" | "20050005556" | "20060104715" | "20060165482" | "20060278772" | "20070006542" | "20070209314" | "20080224470" | "20080280521" | "20080280523" | "20100005752" | "20100059094" | "20110101607" | "20110180350" | "20120299352" | "20140010587" | "20140260083" | "2132757" | "2472363" | "3086627" | "3342444" | "3608906" | "3778175" | "3836218" | "4021973" | "4094417" | "4160337" | "4258522" | "4388786" | "4455795" | "4543757" | "4564732" | "4577449" | "4621938" | "4652170" | "4671039" | "4688362" | "4845889" | "4896999" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:15 PM

		"4907388" | "4934858" | "4939037" | "4951440" | "4974987" | "5000713" | "5042615" | "5048995" | "5238231" | "5267863" | "5413836" | "5498099" | "5499886" | "5580181" | "5680737" | "5775046" | "5791806" | "5799943" | "5802798" | "5868223" | "5915803" | "5984587" | "6059631" | "6179511" | "6185887" | "6237298" | "6250025" | "6447360" | "6886296" | "6996946" | "7185461" | "7198270" | "7530550" | "7621080" | "7694485" | "7779589" | "7833077" | "7942612" | "7980034" | "8082702" | "8187050" | "8282307" | "8523134" | "8671640" | "9200443" | "D261401" | "D545380" | "D545381" | "D545917" | "D545918" | "D545919").PN. OR ("10501929").URPN.					
L142	63	("0669591" | "1385606" | "1397976" | "1671279" | "2204675" | "2291712" | "2387659" | "2902853" | "3305982" | "3449875" | "3527005" | "3849960" | "4550543").PN. OR ("4688362").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:20 PM
L143	56	("3286070" | "3589758" | "3599212" | "3751618" | "3851936" | "3900712" | "4019298" | "4095913" | "4224484" | "4267417").PN. OR ("4564732").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:21 PM
L144	75	("0165500" | "0598689" | "2003746" | "2165255" | "2323123" | "2325155" | "2459873" | "2502275" | "2562518" | "2568131" | "2620801" | "2721417" | "3043047" | "3095665" | "3233611" | "3366359" | "3408032" | "3425421" | "3926398" | "4009599" | "4066168" | "4116413" | "4179091" | "4341166" | "4389133" | "4444418" | "4462317" | "4475365"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:23 PM

		| "4508306" | "4564732" | "4568052" | "4582442" | "4583877" | "4643384" | "4691541" | "4722627" | "4776552" | "4787595").PN. OR ("4925146").URPN.					
L145	25	("0438675" | "3608158" | "3777734" | "4156496" | "4564732").PN. OR ("4635611").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:25 PM
L146	143	("0616131" | "0748036" | "0918699" | "1133513" | "1303090" | "1918116" | "1986465" | "2580174" | "2793407").PN. OR ("4019298").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:27 PM
L147	5	("20070154257" | "20120128114" | "4019298" | "5244300" | "6343107").PN. OR ("9887017").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:27 PM
L148	50	("0609703" | "0984823" | "1348707" | "3074203" | "3663055" | "4012155" | "4019298" | "4438800" | "4504168" | "4548590" | "4550230").PN. OR ("4900090").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:30 PM
L149	22	("1303090").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:32 PM
L150	8	(("0593330") or ("1182610") or ("1265113") or ("2457002")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 07:33 PM
L151	49	("2132757").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:35 PM
L152	33	("20060059738" | "20110014848" | "20110097964" | "20140227940" | "20150182868" | "2472363" | "2565823" | "2922253" | "3022594" | "3558138" | "3774908" | "3888030" | "4180932" | "4903424" | "4970810" | "4983890" | "5056249" | "5090936" | "5322717" | "5462471" | "5732493" | "5775046" | "6045430" | "6682392" | "6845579" | "7895779").PN. OR ("9661944").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:39 PM
L153	19	("20040149754" |	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/04

		"20080116772" | "20090039742" | "20100127603" | "2023260" | "3316041" | "3552817" | "4043477" | "4998587" | "5271515" | "5350057" | "5470139" | "5775046" | "5924778" | "6735831").PN. OR ("8894160").URPN.	USOCR)				07:41 PM
L154	9	("2004/0149754").URPN.	(USPAT)	OR	ON	ON	2022/01/04 07:44 PM
L155	2	("1390374").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 07:49 PM
L156	49	("1252816" | "1983307" | "3131829" | "3374917" | "3567302" | "3986756" | "3999818" | "4099626" | "4175807" | "4227758").PN. OR ("4423913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:52 PM
L157	56	("2593998" | "2653072" | "2730423" | "3131829" | "3219400" | "3514170" | "3552817" | "3563624" | "3743372" | "3814489").PN. OR ("3999818").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 07:53 PM
L158	24	(("1386143") or ("2128341") or ("2128342") or ("2206084") or ("2375843") or ("2392630") or ("2410700") or ("2709634") or ("2726916") or ("2741419") or ("2757852") or ("2867019")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 08:04 PM
L159	38	("2087863" | "2979370" | "3348668" | "3552817" | "3638788" | "3737067" | "3743372" | "3747745" | "3871516" | "3917067").PN. OR ("4026615").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/04 11:22 PM
L160	14	(("1303985") or ("1698578") or ("1726121") or ("2268236") or ("2733112") or ("3000680") or ("3003839")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 11:27 PM
L161	11	("2733112").URPN.	(USPAT)	OR	ON	ON	2022/01/04

							11:28 PM
L162	6	(("1308647") or ("2203716") or ("2614016")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/04 11:33 PM
L163	9	("2386343").URPN.	(USPAT)	OR	ON	ON	2022/01/04 11:46 PM
L164	2	("2169769").URPN.	(USPAT)	OR	ON	ON	2022/01/04 11:52 PM
L165	5	("2614016").URPN.	(USPAT)	OR	ON	ON	2022/01/05 12:11 AM
L166	8	(("1331862") or ("1686515") or ("2304020") or ("2386343")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:12 AM
L167	8	(("1186634") or ("1862609") or ("2083114") or ("2121190")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:13 AM
L168	12	(("1223641") or ("1242579") or ("1268870") or ("2237176") or ("2281959") or ("2321755")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:15 AM
L169	27	("1084360" | "20080121547" | "20100224528" | "20110139665" | "20110155613" | "20140062281" | "20150069962" | "20150274362" | "20170318927" | "3410376" | "3757911" | "3891230" | "4643494" | "5544751" | "5971119" | "6098819" | "6213266" | "6367631" | "6585090" | "8561769" | "8590704" | "8602217").PN. OR ("10750833").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/05 12:22 AM
L170	16	(("0512496") or ("1656868") or ("2563094") or ("2752215") or ("2988412") or ("3219400") or ("3401993") or ("3421801")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 12:25 AM
L171	2	("2807387").PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/01/05 11:45 AM
L172	24	("2807387").URPN.	(USPAT)	OR	ON	ON	2022/01/05 11:45 AM
L173	111	"40".clas. and (shrink	(US-PGPUB; USPAT;	OR	ON	ON	2022/01/05

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		and bottle)	USOCR)				02:19 PM
L174	82	(US-20060076261-$ or US-20030038566-$ or US-20050110371-$ or US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-11008136-$ or US-10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$ or US-9551367-$ or US-3935613-$ or US-1081378-$ or US-3424334-$ or US-7350648-$ or US-3182856-$ or US-3047157-$ or US-10711941-$ or US-3429543-$ or US-10364935-$ or US-9958667-$ or US-8448829-$ or US-5697500-$ or US-5375709-$ or US-5154291-$ or US-4216857-$ or US-6371321-$ or US-D328972-$ or US-D238401-$ or US-3760937-$).did. or (US-5918762-$ or US-4098402-$ or US-3567298-$ or US-3904259-$ or US-6109707-$ or US-5666713-$ or US-6050657-$ or US-7410289-$ or US-5454634-$ or US-7100999-$ or US-7967401-$ or US-5775046-$ or US-10501929-$ or US-2902853-$ or US-4564732-$ or US-5720537-$ or US-5044594-$ or US-10485312-$ or US-4635611-$ or US-4019298-$ or US-9887017-$ or US-8123284-$ or US-4900090-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:50 PM

		1303090-$ or US-3851936-$ or US-2132757-$ or US-2472363-$).did. or (US-9661944-$ or US-8894160-$ or US-10514519-$ or US-3552817-$ or US-5993283-$ or US-4423913-$ or US-4660725-$ or US-3999818-$ or US-5325975-$ or US-4003172-$ or US-3743372-$ or US-4026615-$ or US-3421801-$ or US-2386343-$ or US-3860147-$ or US-2304020-$ or US-2169769-$ or US-1602383-$ or US-0864761-$).did. or (US-2793407-$ or US-3506321-$ or US-2614016-$).did.					
L175	16	("10750833"|"20060076261"|"D898320"|"10933501"|"D285986"|"5433416"|"11008136"|"7837165"|"20200029543"|"4243279"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:57 PM
L176	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:58 PM

		US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-					

		$) did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$) did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$) did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-					

		0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US-				

		0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US-					

		D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US-					

		6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US- 5240264-$ or US- D326815-$ or US- 5105947-$).did. or (US- D325324-$ or US- 5098235-$ or US- D319016-$ or US- 5035445-$ or US- 4971201-$ or US- 4805859-$ or US- 4168076-$ or US- 3974898-$ or US- D232798-$ or US- 3743372-$ or US- 3514170-$ or US- 3506321-$ or US- 3225865-$ or US- 3117692-$ or US- 9850029-$).did. or (US- D192092-$ or US- 2970358-$ or US- 2430200-$ or US- 2042387-$ or US- 0376917-$ or US-				

		0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US-				

		0145866-$ or US-0145790-$ or US-0145700-$ or US-0144500-$ or US-0139745-$ or US-0139665-$ or US-0139566-$ or US-0138382-$ or US-0134607-$ or US-0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L177	71	(US-0001482-$ | US-0015928-$ | US-0025706-$ | US-0060953-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:59 PM

		0094392-$ | US-0127007-$ | US-0151427-$ | US-0155373-$ | US-0176261-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-1081378-$ | US-10222172-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-2124541-$ | US-2939613-$ | US-20030094392-$ | US-20050015928-$ | US-20080060953-$ | US-20100176261-$ | US-20150151427-$ | US-20150310842-$ | US-20180127007-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-20210267368-$ | US-3423786-$ | US-3424334-$ | US-3935613-$ | US-4817237-$ | US-4929973-$ | US-5356038-$ | US-5356105-$ | US-5622296-$ | US-5664292-$ | US-5850996-$ | US-6098858-$ | US-6371424-$ | US-7077372-$ | US-7090085-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.					
L178	66	L174 not (L175 L176 L177)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 08:59 PM
L179	1	"5454634".PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/01/07 09:02 PM
L180	12	(US-0073995-$ | US-0078929-$ | US-0104909-$ | US-11066089-$ | US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:29 PM

		11283117-$ | US-20120073995-$ | US-20200078929-$ | US-20210104909-$ | US-D649783-$).DID.					
L181	18	("10027188" | "10063096" | "20050156564" | "20120218027" | "20130048647" | "20140328659" | "20150077042" | "20150077043" | "20170259956" | "20180009588" | "20180231238" | "20180366697" | "3733836" | "8579113" | "9153978" | "9379561" | "9748794" | "9829953").PN. OR ("11283117").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:30 PM
L182	46	(US-0030425-$ | US-0062042-$ | US-0075468-$ | US-0094600-$ | US-0158216-$ | US-0197059-$ | US-0213115-$ | US-0221561-$ | US-0273114-$ | US-0288970-$ | US-0316909-$ | US-11155382-$ | US-11230410-$ | US-20020030425-$ | US-20030075468-$ | US-20070273114-$ | US-20090288970-$ | US-20140062042-$ | US-20140197059-$ | US-20160213115-$ | US-20170158216-$ | US-20210094600-$ | US-20210221561-$ | US-20210316909-$ | US-5035389-$ | US-D437484-$ | US-D876833-$ | US-D897103-$ | US-D918584-$ | US-D919296-$ | US-D920671-$ | US-D932186-$ | US-D936030-$ | US-D941020-$ | US-RE47022-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:32 PM

L183	1	"10406387".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:48 PM
L184	1	"20130206139".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:48 PM
L185	0	A652B9/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L186	638	A62B9/04.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L187	878	A62B7/10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L188	536	A62B18/006.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L189	369	A62B25/00.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:49 PM
L190	32	("3805929" | "3957183" | "4299313" | "4310110" | "4345789" | "4358006" | "4455718" | "4463978" | "4561526" | "4690314" | "4752263" | "5046894" | "5494377" | "5567084").PN. OR ("6409429").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 08:52 PM
L191	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM

		20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-					

		20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$).did. or (US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-					

		0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US-				

		0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US- D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US-				

		D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US- 8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US-				

		6305498-$ or US-D437669-$).did. or (US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5957421-$ or US-5951037-$ or US-5890613-$ or US-5797617-$ or US-5775046-$ or US-D395533-$ or US-5653366-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-D361511-$ or US-5429260-$ or US-D352208-$ or US-5301829-$ or US-5282554-$ or US-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$).did. or (US-D325324-$ or US-5098235-$ or US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4805859-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3743372-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ or US-9850029-$).did. or (US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-					

		0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$ or US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$).did. or (US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US-				

		0130034-$ or US-0127146-$ or US-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$).did. or (US-0115715-$ or US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-0074158-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$ or US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L192	8	(US-20200029543-$).did. or (US-10933501-$ or US-D898320-$ or US-8925752-$ or US-D285986-$ or US-4243279-$ or US-3999818-$).did. or (US-1084360-$).did.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM
L193	7	(US-20060076261-$).did. or (US-11008136-$ or US-	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/16 09:07 PM

		10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$).did.					
L194	15	(US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-8894160-$ or US-7350648-$ or US-6371321-$ or US-5454634-$ or US-5154291-$ or US-4660725-$ or US-4564732-$ or US-3851936-$ or US-3567298-$ or US-3552817-$ or US-2386343-$).did.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/16 09:07 PM
L195	82	(US-20060076261-$ or US-20030038566-$ or US-20050110371-$ or US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$).did. or (US-11008136-$ or US-10750833-$ or US-7837165-$ or US-7172164-$ or US-6082687-$ or US-5433416-$ or US-9551367-$ or US-3935613-$ or US-1081378-$ or US-3424334-$ or US-7350648-$ or US-3182856-$ or US-3047157-$ or US-10711941-$ or US-3429543-$ or US-10364935-$ or US-9958667-$ or US-8448829-$ or US-5697500-$ or US-5375709-$ or US-5154291-$ or US-4216857-$ or US-6371321-$ or US-D328972-$ or US-D238401-$ or US-3760937-$).did. or (US-5918762-$ or US-4098402-$ or US-3567298-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:07 PM

		3904259-$ or US-6109707-$ or US-5666713-$ or US-6050657-$ or US-7410289-$ or US-5454634-$ or US-7100999-$ or US-7967401-$ or US-5775046-$ or US-10501929-$ or US-2902853-$ or US-4564732-$ or US-5720537-$ or US-5044594-$ or US-10485312-$ or US-4635611-$ or US-4019298-$ or US-9887017-$ or US-8123284-$ or US-4900090-$ or US-1303090-$ or US-3851936-$ or US-2132757-$ or US-2472363-$).did. or (US-9661944-$ or US-8894160-$ or US-10514519-$ or US-3552817-$ or US-5993283-$ or US-4423913-$ or US-4660725-$ or US-3999818-$ or US-5325975-$ or US-4003172-$ or US-3743372-$ or US-4026615-$ or US-3421801-$ or US-2386343-$ or US-3860147-$ or US-2304020-$ or US-2169769-$ or US-1602383-$ or US-0864761-$).did. or (US-2793407-$ or US-3506321-$ or US-2614016-$).did.					
L196	111	(L191 L192 L193 L194 L195) and wheel$3	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:08 PM
L197	170	("0344661" | "0687619" | "1424819" | "20020014488" | "20020067027" | "20020074905" | "20020113386" | "20020185831" | "20030001348" | "20030146589" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:10 PM

		"20040265104" | "20050062244" | "20050104308" | "20050258610" | "20050275178" | "20060006619" | "20060012139" | "20060038367" | "20070080512" | "20070194543" | "20070273114" | "20080084036" | "20080121547" | "20080128305" | "20080143069" | "20090020528" | "20090026901" | "20090309323" | "20100052276" | "20100290877" | "20100327562" | "20110049824" | "20110181008" | "20120160886" | "20120326406" | "20140001719" | "20140375181" | "2554091" | "2588830" | "2901262" | "2964328" | "3168329" | "3393951" | "3734526" | "3804432" | "3990653" | "4363496" | "4448434" | "4619363" | "4984704" | "5104135" | "5123666" | "5207723" | "5362078" | "5378005" | "5464104" | "5474312" | "5595395" | "5626352" | "5634649" | "5720535" | "5845915" | "5906381" | "5913527" | "5931483" | "5934466" | "5938396" | "6000713" | "6050660" | "6079719" | "6109627" | "6113129" | "6123344" | "6131926" | "6135466" | "6176559" | "6254112" | "6347847" | "6357063" | "6371320" | "6394471" | "6398235" | "6474930" | "6561528" | "6601930" | "6616152" | "6659476" | "6666465" | "6874634" | "6889838" | "6945546" | "7063339" | "7066475" | "7168715" | "7188847" | "7210689" | "7328905" | "7367571" | "7500681"					

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L198	11	("2009/0309323").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:11 PM
L199	18	("2003/0001348").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:23 PM
L200	22	("20030001348" | "20040001748" | "20040201186" | "20070029745" | "20100181737" | "20120299259" | "4585130" | "4726602" | "4921270" | "5333885" | "5465987" | "5577745" | "5611561" | "6131926" | "7823893" | "7886872" | "8366126" | "8459515" | "8967633" | "9033348" | "9302690" | "D581123").PN. OR ("10086858").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:23 PM
L201	93	("0845917" | "1424819" | "20040124598" | "20050110232" | "20080203688" | "2598489" | "2981374" | "3052323" | "3052484" | "3179270" | "3690488" | "3734526" | "3804432" | "3876039" | "3951286" | "4355818" | "4363496" | "4421209" | "4448434" | "4526399" | "4537421" | "5160154" | "5203815" | "5251922" | "5365860" | "5464104" | "5564346" | "5575605" | "5595395" | "5626352" | "5644993" | "5678842" | "5697624" | "5845915" | "5863055" | "5885047" | "6131926" | "6131927" | "6135466" | "6309168" | "6457727" | "6530740" | "6659476" | "6709222" | "6880851" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:25 PM

		"6921095" | "6929269" | "6971654" | "7213816" | "7320472" | "D340339" | "D373669" | "D396923" | "D399625" | "D440372" | "D502304").PN. OR ("7823893").URPN.					
L202	44	("2320387" | "3052484" | "3179270" | "3734526" | "4281843" | "4363496" | "4790549" | "5464104" | "5465987" | "5474312" | "5595395" | "5671933").PN. OR ("6131926").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:27 PM
L203	55	("1006985" | "2964328" | "3052323" | "3436093" | "3460850" | "4726602" | "5123666" | "5125675" | "5193842").PN. OR ("5465987").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:29 PM
L204	737	"280".clas. and (scuba diver diving)	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:29 PM
L205	1	("2006/0119058").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:31 PM
L206	6	("5433230"|"5074571"|"5492346"|"5207723"|"6520514"|"6341789").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:32 PM
L207	81	("2439660" | "2893749" | "2905480" | "3351402" | "4026616" | "4124261" | "4544050" | "4784382" | "4848243" | "4865346" | "4890705" | "5207723" | "5306029" | "5379537" | "6199816" | "D383603").PN. OR ("6520514").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:33 PM
L208	78	("0886530" | "1664431" | "2124071" | "2265618" | "2300405" | "2525208" | "2572486" | "2893749" | "2905480" | "3010775" | "3118685" | "3779623" | "3831799" | "3831805" | "3984023" | "4225202" | "4350257" | "4387940" | "4531645" | "4662515" | "D311622").PN. OR ("5207723").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:35 PM
L209	29	("20030034636" | "20180168369" | "2564939" | "2868557" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:47 PM

		"3092395" | "3241852" | "3279811" | "3285620" | "3292942" | "3427040" | "3462171" | "3659867" | "4460189" | "5125675" | "5465987" | "6547263" | "6955365" | "9566991").PN. OR ("10322735").URPN.					
L210	18	("20110120827" | "20120049474" | "3092395" | "3135527" | "3285620" | "4448434" | "5125675" | "5628523" | "5803264" | "6547263" | "6955365" | "7728671").PN. OR ("9566991").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:48 PM
L211	10	("2012/0049474").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:48 PM
L212	1	"7757913".pn.	(USPAT)	OR	ON	ON	2022/06/16 09:54 PM
L213	1	"7757913".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:54 PM
L214	225	A45F2005/026.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:54 PM
L215	32	("1333075").URPN.	(USPAT)	OR	ON	ON	2022/06/16 09:58 PM
L216	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 09:59 PM
L217	12800	F16M11/041,40,10.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L218	5487	F16M11/041,40.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L219	4970	F16M11/041.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:00 PM
L220	9897	F16M13/02.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:09 PM
L221	471	F16B2/20.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:10 PM
L222	53	("2592767"|"5778804"|"6564432"|"1951196"|"5738020"|"0396508"|"4220308"|"20080237434"|"4893777"|"5143331"|"5209445"|"6131361"|"0993818"|"4140414"|"4603829"|"4725029"|"6193198"|"6517276"|"2277738"|"20080107479"|"3986318"|"6010306"|"4266386"|"5592767"|"4106	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:14 PM

		630"|"4783034"|"5013000"|"5420762"|"7299667"|"20040232298"|"3455528"|"3529860"|"0936527"|"20110204758"|"20110023364"|"3282519"|"7934607"|"5150415"|"4307865"|"4473316"|"3055462"|"3159368").PN.					
L223	5	("1951196").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:17 PM
L224	445	F16B21/09.cpc.	(USPAT)	OR	ON	ON	2022/06/16 10:21 PM
L225	885	F16B21/09.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:22 PM
L226	2	("2013/0071176").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:26 PM
L227	0	("2013/0058712").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:27 PM
L228	11	("6715185"|"7904994"|"20080286067"|"20110113598"|"2980478"|"6772484"|"2980478"|"20040083583"|"20110035909"|"5195793"|"6715185"|"7527553").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:28 PM
L229	60	("3037596" | "4581793" | "5897278" | "6457217").PN. OR ("6715185").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:29 PM
L230	37	("20050242247" | "20060239796" | "20070057124" | "20070126211" | "20100186197" | "20130119208" | "20140131528" | "3090826" | "4557455" | "5065562" | "5112013" | "5224244" | "5407160" | "5766218" | "5921510" | "6105908" | "6394695" | "6550723" | "6715185" | "7229052" | "7360744" | "7404548" | "7503528" | "7669807" | "7753320" | "7762503" | "7832693" | "7988105" | "8221042" | "8282047" | "8313064" | "8991774" | "9045094" | "D741691").PN. OR ("9970573").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:29 PM
L231	53	("4186902" | "4272047" | "4708306" | "4735387"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:31 PM

		| "4766651").PN. OR ("5112013").URPN.					
L232	14	("20100194170"|"3854192"|"5221585"|"6135666"|"7044677"|"6135666"|"5083726"|"5944388"|"5921606"|"5871318"|"3854192"|"6131286"|"5221585"|"6131286"|"6241144"|"20100194170"|"6241144"|"8182183"|"7044677"|"7390063"|"5489172"|"7390063").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:34 PM
L233	57	("2009/0140112").URPN.	(USPAT)	OR	ON	ON	2022/06/16 10:37 PM
L234	6053	H01R13/627,6271,6272,6273,62787.cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:39 PM
L235	1625	A63H33/062,08,084,086.cpc..cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:40 PM
L236	20	("20030005594" | "2271928" | "2345312" | "2963946" | "3537697" | "4817809" | "4968012" | "5107599" | "5244300" | "5481811" | "5829151" | "6298572" | "8621761").PN. OR ("10933501").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:42 PM
L237	20	("2339161" | "4134175" | "4154527" | "4344658" | "4804277" | "5131733" | "5457520" | "5511885" | "5538475" | "5632684" | "5636820" | "5651632" | "5716161" | "5810272" | "5852760" | "5857129" | "6024497" | "6058280").PN. OR ("6481915").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 10:56 PM
L238	62	("3084407" | "3631994" | "4046295" | "4083481" | "4299344" | "4420078" | "4479596" | "4485946" | "4641370" | "4736877" | "4754528" | "4761823" | "4775083" | "4801059").PN. OR ("4858798").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:06 PM
L239	280	("10106180" | "10434638" | "10583962" | "10750833" | "10793172" | "10829268" | "11008136" | "1112943"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:13 PM

		| "1488460" | "20020000440" | "20020125072" | "20020171228" | "20030094393" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060113303" | "20060119060" | "20060186624" | "20060254946" | "20070068757" | "20070090616" | "20070145700" | "20070194543" | "20080104921" | "20080115312" | "20080121547" | "20080134607" | "20080169739" | "20080271280" | "20080277221" | "20080308369" | "20090026901" | "20090071990" | "20090145790" | "20090145866" | "20090145913" | "20090178946" | "20090236482" | "20100052276" | "20100139566" | "20100147642" | "20100219193" | "20110073516" | "20110139665" | "20110155613" | "20110174939" | "20110181008" | "20110220531" | "20120152800" | "20120160886" | "20120180250" | "20120207571" | "20120292213" | "20120326406" | "20130024468" |					

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		| "D806483" | "D814187" | "D815831" | "D816334" | "D826510" | "D828671" | "D831352" | "D833744" | "D836995" | "D837515" | "D839681" | "D845080" | "D845081" | "D857387" | "D871013" | "D873085" | "D880252" | "D880951" | "D883752" | "D887788" | "D888422" | "D888503" | "D891193" | "D891195" | "D891875" | "D892565" | "D895375" | "D895966" | "D895967" | "D896517" | "D896518" | "D898320" | "D917977").PN. OR ("11338959").URPN.					
L240	34	("2005/0104308").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:16 PM
L241	28	("2003/0184034").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:17 PM
L242	8	("20020015538" | "20030127296" | "20030184034" | "20040074725" | "20070028642" | "20190142125" | "4538709" | "5660476").PN. OR ("11058196").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:19 PM
L243	9	("2004/0074725").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:19 PM
L244	50	("20020030425" | "20110049824" | "20110181008" | "6176559" | "6601930" | "D565269" | "D630851").PN. OR ("D653832").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:52 PM
L245	20	("10106180" | "10227078" | "20100314978" | "20110049824" | "20110132853" | "20110192810" | "20120085714" | "20140375181" | "20150336710" | "20160046309" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/16 11:53 PM

		"20170151972" | "20170217464" | "5588659" | "5645177" | "5740910" | "8157337" | "9132543" | "9566990" | "9643629" | "9737141").PN. OR ("10894314").URPN.					
L246	2	("10227078").URPN.	(USPAT)	OR	ON	ON	2022/06/16 11:54 PM
L247	9	("2386343").URPN.	(USPAT)	OR	ON	ON	2022/06/17 12:13 AM
L248	0	"13396858".an.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 01:07 AM
L249	2	"13396858"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 01:07 AM
L250	35	("10399752"|"20020185497"|"20030200822"|"20070125259"|"20100147087"|"20110000919"|"20130045501"|"20130078735"|"20130177937"|"20130248531"|"20150216464"|"20150307013"|"20160345762"|"20170253168"|"20180222033"|"20190120730"|"3308669"|"4805632"|"4927605"|"4960346"|"5086813"|"5197515"|"5199473"|"5237934"|"5269350"|"5660295"|"6030580"|"6578647"|"6715820"|"6845676"|"7272980"|"8684024"|"D435906"|"D494279").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:44 AM
L251	3	((("Schwab") near3 ("Mark") near3 ("Jordan"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:45 AM
L252	47	("20180222033"|"3308669"|"D435906"|"D494279"|"20130177937"|"20070125259"|"5086813"|"6578647"|"4423641"|"7272980"|"20100147087"|"20150216464"|"4927605"|"20110000919"|"20130045501"|"20160345762"|"6845676"|"3118561"|"3528375"|"3930413"|"10399752"|"3013431"|"4174632"|"20130078735"|"4127215"|"4574630"|"4941517"|"4805632"|"3779082"|"5197515"|"5237934"|"566029	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:47 AM

		5"|"6030580"|"1429710"|"20130248531"|"20190120730"|"3776042"|"4785676"|"5199473"|"5269350"|"6715820"|"20030200822").PN.					
L253	3	("2010/0147087").URPN.	(USPAT)	OR	ON	ON	2022/06/17 02:48 AM
L254	52	("10399752" | "1429710" | "20020185497" | "20030200822" | "20070125259" | "20100147087" | "20110000919" | "20130045501" | "20130078735" | "20130177937" | "20130248531" | "20150216464" | "20150307013" | "20160345762" | "20170253168" | "20180222033" | "20190120730" | "3013431" | "3118561" | "3308669" | "3528375" | "3776042" | "3779082" | "3930413" | "4127215" | "4174632" | "4423641" | "4574630" | "4785676" | "4805632" | "4927605" | "4941517" | "4960346" | "5086813" | "5197515" | "5199473" | "5237934" | "5269350" | "5660295" | "6030580" | "6578647" | "6715820" | "6845676" | "7272980" | "8684024" | "D435906" | "D494279").PN. OR ("10800594").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:48 AM
L255	18	("3776042" | "3779082" | "3985016" | "4056981").PN. OR ("4785676").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 02:59 AM
L256	42	("3559703").PN. OR ("3776042").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 03:00 AM
L257	1	"20210114784".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 03:05 AM
L258	77	(US-20210039831-$ or US-20210031975-$ or US-20190225374-$ or US-20190225371-$ or US-20170121056-$ or US-20120152800-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:44 AM

		US-20110139665-$ or US-20180000234-$ or US-20050139745-$ or US-20060096009-$ or US-20140166677-$ or US-20090106942-$ or US-20040194333-$ or US-20070045505-$).did. or (US-10829268-$ or US-D898320-$ or US-10793172-$ or US-7083061-$ or US-7152752-$ or US-5628443-$ or US-4693345-$ or US-4684034-$ or US-4673070-$ or US-4643494-$ or US-D285986-$ or US-4577772-$ or US-4491231-$ or US-3186585-$ or US-1488460-$ or US-1112943-$ or US-11008136-$ or US-D917977-$ or US-7690856-$ or US-7490800-$ or US-6520463-$ or US-5433416-$ or US-5035389-$ or US-11129359-$ or US-10406387-$ or US-7757913-$).did. or (US-6405910-$ or US-4083481-$ or US-7448115-$ or US-6726075-$ or US-2965939-$ or US-5226625-$ or US-8833596-$ or US-7837165-$ or US-11034485-$ or US-1617213-$ or US-5356105-$ or US-10017134-$ or US-1432349-$ or US-8448829-$ or US-0846022-$ or US-6751810-$ or US-9121544-$ or US-1922345-$ or US-1079411-$ or US-4132380-$ or US-2897928-$ or US-5332183-$ or US-6036071-$ or US-					

		5050793-$ or US-8292244-$).did. or (US-2558126-$).did.					
L259	11	("20040256529" | "20050139745" | "20070002529" | "20070045505" | "20070206123" | "20080089019" | "20090262265" | "20100149440" | "8196880" | "8218305").PN. OR ("8292244").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:50 AM
L260	15	("2004/0256529").URPN.	(USPAT)	OR	ON	ON	2022/06/17 05:51 AM
L261	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:52 AM
L262	62	("3084407" | "3631994" | "4046295" | "4083481" | "4299344" | "4420078" | "4479596" | "4485946" | "4641370" | "4736877" | "4754528" | "4761823" | "4775083" | "4801059").PN. OR ("4858798").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 05:54 AM
L263	3	("2007/0045505").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:04 AM
L264	9	("4858878"|"4878645"|"6740851"|"5209445"|"6806425"|"6941469"|"5738020"|"6123314"|"6347439").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:05 AM
L265	42	("0292066" | "0926230" | "1828088" | "2402682" | "3180473" | "3356429" | "3850392" | "4268099" | "4289242" | "4535863" | "4634009").PN. OR ("4858878").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:05 AM
L266	46	("4878645" | "4973023" | "5169114" | "5228584" | "6102348" | "6347439" | "6642453" | "D320928").PN. OR ("6806425").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:07 AM
L267	11	("20040256529" | "20050139745" | "20070002529" | "20070045505" | "20070206123" | "20080089019" |	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:09 AM

		"20090262265" | "20100149440" | "8196880" | "8218305").PN. OR ("8292244").URPN.					
L268	27	("2005/0139745").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:10 AM
L269	1	"7757913".pn.	(USPAT)	OR	ON	ON	2022/06/17 06:12 AM
L270	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:13 AM
L271	19	("20060058070" | "4858798" | "6405910").PN. OR ("7757913").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:14 AM
L272	41	("1079411" | "20020134809" | "20020185509" | "20030042284" | "20030070211" | "20060058070" | "20090120980" | "20090277936" | "20090314295" | "20100200624" | "20100294822" | "20100310823" | "20110126713" | "4389635" | "4534063" | "4673070" | "4899740" | "5035389" | "5152443" | "5226625" | "5267557" | "5697538" | "5762243" | "5833095" | "5996184" | "6038747" | "6206257" | "6401715" | "6405910" | "6405911" | "6508390" | "7448115" | "7454800" | "7658190" | "7726312" | "7757913" | "7819120" | "7900278" | "D646379").PN. OR ("10406387").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:15 AM
L273	48	("20060096009" | "2965939" | "4222595" | "4520533" | "4555812" | "4760980" | "5020196" | "5031244" | "5604958" | "5617587" | "5724707" | "6112377" | "6173479" | "6553635" | "6708379" | "6726075" | "6874163").PN. OR ("7448115").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:15 AM

L274	46	("0157883" | "0665985" | "0676810" | "0718018" | "0782460" | "0810537" | "0944673" | "1148444" | "3743147").PN. OR ("5020196").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:17 AM
L275	30	("2965939").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:18 AM
L276	193	24/598.4.ccls.	(USPAT)	OR	ON	ON	2022/06/17 06:21 AM
L277	1	"7007903".pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:33 AM
L278	47	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN. OR ("7007903").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:33 AM
L279	34	("1286376" | "1848937" | "2891757" | "3822049" | "3912216" | "3915189" | "4389133" | "4584589" | "4613135" | "5026016" | "5080238" | "5129613" | "5356104" | "5526010").PN. OR ("5707033").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:34 AM
L280	34	("0594035" | "1356745" | "1787734" | "20030038222" | "2173159" | "2210235" | "2588009" | "3840261" | "3915189" | "4028858" | "4176580" | "4228982" | "4566243" | "4620736" | "5035389" | "5165213" | "5240213" | "5348778" | "5356038" | "5433416" | "5435511" | "5566917" | "5707033" | "5758988" | "5802798" | "6082687" | "6227514" | "6481679").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:41 AM
L281	46	("2003/0038222").URPN.	(USPAT)	OR	ON	ON	2022/06/17 06:42 AM

L282	607	248/220.1,224.51.ccls.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 06:47 AM
L283	15	("3622116" | "4340199" | "4701586" | "5035389" | "5226625" | "5356105" | "5425524").PN. OR ("6098941").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:02 AM
L284	28	("1167899" | "2533799" | "2596332" | "3017205" | "3436108" | "3589660").PN. OR ("3858996").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:04 AM
L285	37	("0859013" | "2032636" | "2588009" | "2723815" | "3298655" | "3394712").PN. OR ("3622116").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:07 AM
L286	14	(("0606208") or ("1339703") or ("1883834") or ("1908147") or ("1966505") or ("2248410") or ("2271928")).PN.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2022/06/17 07:09 AM
L287	7	("2271928").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:11 AM
L288	40	("0919896" | "1196617" | "1758404" | "1845693" | "1983060" | "2103106" | "2271928" | "2336385" | "2688688" | "2695658" | "2841353" | "3016980" | "3088092" | "3175341" | "3483670" | "3501898").PN. OR ("3835623").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:12 AM
L289	19	("2103106").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:13 AM
L290	54	("1794700" | "2103106" | "3131251" | "3928894" | "4401222" | "5000411" | "5709057" | "5803414").PN. OR ("6497395").URPN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/17 07:15 AM
L291	23	("1794700").URPN.	(USPAT)	OR	ON	ON	2022/06/17 07:16 AM
L292	108	(US-20080280523-$ or US-20070006542-$ or US-20060165482-$ or US-20040149754-$ or US-20120073995-$ or US-20210316909-$ or US-20130206806-$ or US-20130206139-$ or US-20110049824-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:04 AM

		US-20090309323-$ or US-20080143069-$ or US-20030001348-$ or US-20100320710-$ or US-20060119058-$ or US-20120049474-$ or US-20210329802-$ or US-20220121091-$ or US-20200267852-$ or US-20190093802-$ or US-20130062489-$ or US-20110204758-$ or US-20210317859-$ or US-20210071699-$ or US-20130071176-$ or US-20130058712-$ or US-20120299352-$).did. or (US-20090140112-$ or US-20050104308-$ or US-20050062244-$ or US-20030184034-$ or US-20040074725-$ or US-20070045505-$ or US-20040256529-$ or US-20060058070-$).did. or (US-8894160-$ or US-7350648-$ or US-6371321-$ or US-5454634-$ or US-5154291-$ or US-4660725-$ or US-4564732-$ or US-3851936-$ or US-3567298-$ or US-3552817-$ or US-2386343-$ or US-10406387-$ or US-6409429-$ or US-9132543-$ or US-10086858-$ or US-8459515-$ or US-7823893-$ or US-6131926-$ or US-6520514-$ or US-5207723-$ or US-5799958-$ or US-6341789-$ or US-5704624-$ or US-10322735-$ or US-9566991-$ or US-D764138-$).did. or (US-1333075-$ or US-6010306-$ or US-1951196-$ or US-6715185-$ or US-9970573-$ or US-6394695-$ or US-					

		5112013-$ or US-D769111-$ or US-9222499-$ or US-9917398-$ or US-10933501-$ or US-5951037-$ or US-6481915-$ or US-0114948-$ or US-9551367-$ or US-4858798-$ or US-3804432-$ or US-9888752-$ or US-D653832-$ or US-10894314-$ or US-10227078-$ or US-6123344-$ or US-4363496-$ or US-8292244-$ or US-2965939-$ or US-7007903-$ or US-5707033-$).did. or (US-9683696-$ or US-10815662-$ or US-8448829-$ or US-6098941-$ or US-4176580-$ or US-3858996-$ or US-6354759-$ or US-4735107-$ or US-3622116-$ or US-3985322-$ or US-2588009-$ or US-2271928-$ or US-3835623-$ or US-2103106-$ or US-7121417-$ or US-6497395-$ or US-1794700-$ or US-1196617-$ or US-2210235-$).did. or (US-2271928-$ or US-3052484-$).did.					
L293	34	("10750833"|"3567298"|"6371321"|"20060076261"|"4564732"|"5454634"|"D898320"|"2386343"|"8894160"|"10933501"|"D285986"|"5433416"|"20080280523"|"20040149754"|"3552817"|"7350648"|"11008136"|"7837165"|"20070006542"|"4660725"|"20200029543"|"4243279"|"20060165482"|"3851936"|"5154291"|"1084360"|"3999818"|"8925752"|"6082687"|"7172164").PN.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:05 AM

L294	481	(US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120292213-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20120074158-$ or US-20110220531-$ or US-20110181008-$ or US-20110174939-$ or US-20110155613-$ or US-20110139665-$ or US-20110073516-$ or US-20100219193-$ or US-20100147642-$ or US-20100139566-$ or US-20100052276-$ or US-20090236482-$ or US-20090178946-$ or US-20090145913-$ or US-20090145866-$ or US-20090145790-$).did. or (US-20090127146-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ or US-20080296443-$ or US-20080277221-$ or US-20080271280-$ or US-20080169739-$ or US-20080134607-$ or US-20080121547-$ or US-20080115312-$ or US-20080104921-$ or US-20070194543-$ or US-20070145700-$ or US-20070090616-$ or US-20070068757-$ or US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050242144-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$).did. or (US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:05 AM

		US-20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$ or US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190168376-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180186513-$ or US-20180161975-$ or US-20180153312-$ or US-20180099405-$).did. or (US-20180044059-$ or US-20170349013-$ or US-20170318927-$ or US-20170266804-$ or US-20170257958-$ or US-20170239808-$ or US-20170217464-$ or US-20170174392-$ or US-20170166352-$ or US-20170165828-$ or US-20170138382-$ or US-20170121056-$ or US-20160221177-$ or US-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20150034515-$ or US-20140166516-$ or US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20120074022-$).did. or (US-10758065-$ or US-10583962-$ or US-10434638-$ or US-10106180-$ or US-D192092-$ or US-2970358-$ or US-2430200-$ or US-					

		2042387-$ or US- 0376917-$ or US- 0349013-$ or US- 0326406-$ or US- 0320243-$ or US- 0318927-$ or US- 0308369-$ or US- 0299027-$ or US- 0296443-$ or US- 0292213-$ or US- 0290288-$ or US- 0277221-$ or US- 0274362-$ or US- 0271616-$ or US- 0271280-$ or US- 0266804-$ or US- 0257958-$ or US- 0254946-$ or US- 0243925-$).did. or (US- 0242144-$ or US- 0239808-$ or US- 0236482-$ or US- 0225371-$ or US- 0223971-$ or US- 0221177-$ or US- 0220758-$ or US- 0220531-$ or US- 0219193-$ or US- 0217464-$ or US- 0207571-$ or US- 0206656-$ or US- 0205877-$ or US- 0195793-$ or US- 0194543-$ or US- 0186624-$ or US- 0186513-$ or US- 0184034-$ or US- 0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$).did. or (US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$ or US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US-				

		0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$).did. or (US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$ or US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US- 0044059-$ or US- 0039781-$ or US- 0038367-$ or US- 0034515-$ or US- 0031732-$).did. or (US- 0031731-$ or US- 0031222-$ or US- 0027475-$ or US- 0026901-$ or US- 0024468-$ or US- 0023349-$ or US- 0006770-$ or US- 0002004-$ or US- 0000440-$ or US- D892565-$ or US- D891875-$ or US- D891195-$ or US- D891193-$ or US- D888503-$ or US- D888422-$ or US- D887788-$ or US-					

		D883752-$ or US- D880951-$ or US- D880252-$ or US- D873085-$ or US- D871013-$ or US- D857387-$ or US- D845081-$ or US- D845080-$ or US- D839681-$ or US- D837515-$ or US- D836995-$).did. or (US- D833744-$ or US- D831352-$ or US- D828671-$ or US- D826510-$ or US- D816334-$ or US- D815831-$ or US- D814187-$ or US- 9872562-$ or US- D806483-$ or US- D803631-$ or US- 9725209-$ or US- 9701443-$ or US- D790221-$ or US- 9643629-$ or US- D784089-$ or US- 9616562-$ or US- 9566990-$ or US- D777426-$ or US- 9511491-$ or US- 9506489-$ or US- D770179-$ or US- D765974-$ or US- D753396-$ or US- D753395-$ or US- D753394-$ or US- 9132543-$ or US- D738106-$).did. or (US- D738105-$ or US- 8985922-$ or US- 8979100-$ or US- 8875888-$ or US- 8813960-$ or US- 8714355-$ or US- 8689396-$ or US- D701696-$ or US- 8677661-$ or US- 8567796-$ or US- 8505729-$ or US- 8459495-$ or US- 8454033-$ or US- 8448829-$ or US- D674605-$ or US- D668869-$ or US- D664354-$ or US- D663952-$ or US- D661858-$ or US- 8191910-$ or US-					

		8177463-$ or US- 8132819-$ or US- D653832-$ or US- D649350-$ or US- 8028845-$ or US- D630851-$ or US- 7841144-$).did. or (US- 7780026-$ or US- 7779764-$ or US- 7658887-$ or US- 7503569-$ or US- 7367571-$ or US- 7263742-$ or US- D536580-$ or US- 7147243-$ or US- D527225-$ or US- D525789-$ or US- 7066475-$ or US- 7044484-$ or US- 6983946-$ or US- 6948691-$ or US- 6945546-$ or US- 6641013-$ or US- 6637707-$ or US- 6619772-$ or US- 6601930-$ or US- 6547347-$ or US- 6431580-$ or US- D456972-$ or US- 6371320-$ or US- 6367631-$ or US- 6347847-$ or US- 6305498-$ or US- D437669-$).did. or (US- 6176559-$ or US- 6109627-$ or US- 6085925-$ or US- 6050660-$ or US- D420860-$ or US- 5988473-$ or US- D415393-$ or US- 5957421-$ or US- 5951037-$ or US- 5890613-$ or US- 5797617-$ or US- 5775046-$ or US- D395533-$ or US- 5653366-$ or US- 5628443-$ or US- 5608603-$ or US- 5595228-$ or US- 5538213-$ or US- D361511-$ or US- 5429260-$ or US- D352208-$ or US- 5301829-$ or US- 5282554-$ or US- D340167-$ or US-				

		5240264-$ or US-D326815-$ or US-5105947-$).did. or (US-D325324-$ or US-5098235-$ or US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4805859-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3743372-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ or US-9850029-$).did. or (US-D192092-$ or US-2970358-$ or US-2430200-$ or US-2042387-$ or US-0376917-$ or US-0349013-$ or US-0326406-$ or US-0320243-$ or US-0318927-$ or US-0308369-$ or US-0299027-$ or US-0296443-$ or US-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0243925-$ or US-0242144-$ or US-0239808-$ or US-0236482-$ or US-0225371-$).did. or (US-0223971-$ or US-0221177-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$ or US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0186513-$ or US-0184034-$ or US-					

		0181008-$ or US- 0180250-$ or US- 0178946-$ or US- 0174939-$ or US- 0174392-$ or US- 0171228-$ or US- 0169739-$ or US- 0168880-$ or US- 0168376-$ or US- 0166516-$ or US- 0166352-$ or US- 0165828-$ or US- 0165036-$).did. or (US- 0161975-$ or US- 0161518-$ or US- 0160886-$ or US- 0155613-$ or US- 0154218-$ or US- 0153312-$ or US- 0147781-$ or US- 0147642-$ or US- 0146589-$ or US- 0145913-$ or US- 0145866-$ or US- 0145790-$ or US- 0145700-$ or US- 0144500-$ or US- 0139745-$ or US- 0139665-$ or US- 0139566-$ or US- 0138382-$ or US- 0134607-$ or US- 0130034-$ or US- 0127146-$ or US- 0127129-$ or US- 0125072-$ or US- 0121783-$ or US- 0121547-$ or US- 0121056-$ or US- 0119060-$).did. or (US- 0115715-$ or US- 0115312-$ or US- 0106244-$ or US- 0104921-$ or US- 0104308-$ or US- 0103494-$ or US- 0099405-$ or US- 0094393-$ or US- 0090616-$ or US- 0076759-$ or US- 0074158-$ or US- 0073516-$ or US- 0071990-$ or US- 0068903-$ or US- 0068757-$ or US- 0062244-$ or US- 0055534-$ or US- 0052276-$ or US-				

		0044059-$ or US-0039781-$ or US-0038367-$ or US-0034515-$ or US-0031732-$ or US-0031731-$ or US-0031222-$ or US-0027475-$ or US-0026901-$).did. or (US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$ or US-D232798-$ or US-3514170-$ or US-3506321-$ or US-3225865-$ or US-3117692-$).did.					
L295	58	(US-20210104909-$ or US-20200078929-$ or US-20120073995-$ or US-20210316909-$ or US-20210221561-$ or US-20210094600-$ or US-20170158216-$ or US-20160213115-$ or US-20140197059-$ or US-20140062042-$ or US-20090288970-$ or US-20070273114-$ or US-20030075468-$ or US-20020030425-$).did. or (US-11283117-$ or US-11066089-$ or US-D649783-$ or US-0104909-$ or US-0078929-$ or US-0073995-$ or US-11230410-$ or US-D941020-$ or US-D936030-$ or US-11155382-$ or US-D932186-$ or US-D920671-$ or US-D919296-$ or US-D918584-$ or US-D897103-$ or US-D876833-$ or US-RE47022-$ or US-D437484-$ or US-5035389-$ or US-0316909-$ or US-0288970-$ or US-0273114-$ or US-0221561-$ or US-0213115-$ or US-	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/06/18 01:06 AM