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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	08/30/2022	11427382	066749-2792	4794

142078 7590 08/10/2022

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.

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):

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

Milwaukee Electric Tool Corporation, Brookfield, WI;

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	To be determined
				Filing Date	October 6, 2020
Date Submitted: October 6, 2020				**First Named Inventor**	Yaron Brunner
				Art Unit	To be determined
(use as many sheets as necessary)				Examiner Name	To be determined
Sheet	6	of	12	Attorney Docket Number	066749-2792

U.S. PATENT DOCUMENTS

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Change(s) applied to document, /P.H./ 3/9/2022	A122	2013/0031731	02-07-2013	~~KAERCHER GMBH AND CO ALFRED KG~~ Hess	
	A123	2013/0031732	02-07-2013	~~KAERCHER GMBH AND CO ALFRED KG~~	Hess et al.
	A124	2013/0068903	03-21-2013	~~Peerless Ind Inc~~.	O'Keene
	A125	2013/0121783	05-16-2013	Kelly; Thomas P.	
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	A140	2017/0138382	05-18-2017	Ko	
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	A93	2008/0115312	05-22-2008	DiPasquale et al.	
	A94	2008/0121547	05-29-2008	Dur et al.	
	A95	2008/0134607	06-12-2008	Pervan; Darko	
	A96	2008/0169739	07-17-2008	Goldenberg; Ruth	
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Change(s) applied to document, /P.H./ 3/9/2022	A13	5,538,213	07-23-1996	Brown ~~Office Systems Inc~~.	
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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	11/24/2020

*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.066749-2792

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R
Art Unit:	3736
Confirmation No.:	4794

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 2 of the Notice of Allowability dated July 20, 2022, 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. 2004 - Page 7
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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 July 20, 2022.

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 July 20, 2022

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. 2004 - Page 8
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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 including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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

142078 7590 07/20/2022
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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	10/20/2022

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) ❑ Advance Order - # of Copies _____

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

☒ Electronic Payment via 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

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature /Derek H. Campbell/ Date July 20, 2022

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

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 9
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Electronic Patent Application Fee Transmittal

Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Attorney Docket Number:	066749-2792

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1200**

Electronic Acknowledgement Receipt	
EFS ID:	46230463
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	20-JUL-2022
Filing Date:	06-OCT-2020
Time Stamp:	14:59:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1200
RAM confirmation Number	E20227JE59361215
Deposit Account	180882
Authorized User	Sarah Sesterhenn-Lee
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	066749-2792-Issue_Fee_Transmittal.pdf	82389 d5eba9d2b328f5111ca458ddcc528396531f0903	no	2
Warnings:					
Information:					
2	Issue Fee Payment (PTO-85B)	066749-2792_PTOL.pdf	102860 788ee567e6eb5ee18522046e2f7b2826e18ac2f6	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	37920 70a13bb23dc6c09b33ed797d1f28554aba24d812	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	223169		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

142078 7590 07/20/2022

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: 07/20/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	10/20/2022

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. 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 including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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

142078 7590 07/20/2022

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

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Certificate of Mailing or Transmission

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	10/20/2022

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) ❑Advance Order - # of Copies _____

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

❑ Electronic Payment via 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

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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. 2004 - Page 15
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

142078 7590 07/20/2022

Reinhart (Milwaukee Tool)
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1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

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

DATE MAILED: 07/20/2022

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. 2004 - Page 16
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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. 17/064,371	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 6/27/2022.
   ☐ 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 9,13-14,21,23 and 25-26 . 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 6/27/2022.
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

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: The Amended Claims of 12/22/2021 recites a novel arrangement of a panel with mounting apertures and previously examined male/female couplers and a single latch recess in the front of the panel as shown in Figure 18A.

2. In addition, the IDS of June 27, 2022 does not impact the previous determination of patentability.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to 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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	14 July 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220714

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 21
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

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

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
211	70.6					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	14 July 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220714

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 22
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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
	1		10		19										
	2		11		20										
	3		12	4	21										
	4	2	13		22										
	5	3	14	5	23										
	6		15		24										
	7		16	6	25										
	8		17	7	26										
1	9		18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	14 July 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220714

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 23
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	11/25/2020	GW
A45C7/005,0045	11/25/2020	GW
A45C13/02	11/25/2020	GW
A45F3/10	11/25/2020	GW
B25H1/$,04,14,	11/25/2020	GW
B25H3/$,02,021,023,	11/25/2020	GW
B25H5/$	11/25/2020	GW
B65H2701/533	11/25/2020	GW
B65D21/0223,0209,0228	11/25/2020	GW
B65D2255/00	11/25/2020	GW
Update search	03/05/2021	GW
A45C5/143	09/24/2021	GW
B60B33/0002	09/24/2021	GW
B62B5/0083	09/24/2021	GW
B62B2202/24,10	09/24/2021	GW
F16M13/02	09/24/2021	GW
F16M2200/028	09/24/2021	GW
G06F1/18	09/24/2021	GW
Y10S248/917	09/24/2021	GW
Y10T16/191,5357	09/24/2021	GW
A45C5/14	02/01/2022	GW
A45C7/005,0045	02/01/2022	GW
A45C13/02	02/01/2022	GW
A45F3/10	02/01/2022	GW
B65D21/0223	02/01/2022	GW
B25H1/04	02/01/2022	GW

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

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

B25H3/02,021,023,04,003	02/01/2022	GW
B62B1/14	02/01/2022	GW
B62B5/067	02/01/2022	GW
B65D21/0209,0228	02/01/2022	GW
B65D2255/00	02/01/2022	GW
B65H2701/533	02/01/2022	GW
F16M13/022	02/01/2022	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
224	583,645,629,665	11/25/2020	GW
150	113	11/25/2020	GW
190	110	11/25/2020	GW
220	4.27	11/25/2020	GW
190	18A	09/26/2021	GW
16	30,29,257	09/26/2021	GW
248	222.11,223.41,222.13,187.1,223.41,177.1,187.1	09/26/2021	GW
396	419	09/26/2021	GW
	Update search	09/26/2021	GW
220	4.27	02/02/2022	GW
211	70.6	02/02/2022	GW

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

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

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 25
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Search Notes		
Search Notes	**Date**	**Examiner**
Search Inventors, cross reference with other co-pending applications	02/08/2022	GW
IDS of 5/19/2022 considered	06/07/2022	GW
IDS of 6/27/2022 considered	07/14/2022	GW

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
220	4.27	02/08/2022	GW
211	70.6	02/08/2022	GW
16	30	02/08/2022	GW
248	177.1,187.1	02/08/2022	GW
A45C5	14	02/08/2022	GW
A45C7	005,0045	02/08/2022	GW
A45C13	02	02/08/2022	GW
A45F3	10	02/08/2022	GW
B65D21	0223,0209,0228	02/08/2022	GW
B25H1	04	02/08/2022	GW
B62B1	14	02/08/2022	GW
B25H3	02,021,023,04,003	02/08/2022	GW
B62B5	067	02/08/2022	GW
B65D2255	00	02/08/2022	GW
B65H2701	533	02/08/2022	GW

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

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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	11/26/2020	09/26/2021	02/08/2022						
	1	N	N	N						
	2	N	N	N						
	3	N	N	N						
	4	N	N	N						
	5	N	N	N						
	6	N	N	N						
	7	N	N	N						
	8	N	N	N						
	9	✓	✓	=						
	10	✓	-	-						
	11	✓	-	-						
	12	✓	-	-						
	13	✓	✓	=						
	14	✓	✓	=						
	15	N	-	-						
	16	N	-	-						
	17	N	-	-						
	18	N	-	-						
	19	N	-	-						
	20	N	-	-						
	21		✓	=						
	22		-	-						
	23		✓	=						
	24		✓	-						
	25		✓	=						
	26			=						

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 27
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Bibliographic Data

Application No: 17/064,371

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.
10/06/2020	220	3736	066749-2792
RULE			

APPLICANTS

Milwaukee Electric Tool Corporation, Brookfield, WI,

INVENTORS

Yaron Brunner, Kibbutz Gvat, ISRAEL

Grant T. Squiers, Cudahy, WI, UNITED STATES

Christopher S. Hoppe, Cedarburg, WI, UNITED STATES

Steven W. Hyma, Milwaukee, WI, UNITED STATES

CONTINUING DATA

This application 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**

10/15/2020

STATE OR COUNTRY

ISRAEL

ADDRESS

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

MILWAUKEE, WI 53202
UNITED STATES

FILING FEE RECEIVED

$6,640

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	31	(US-0045505-$ | US-0049824-$ | US-0074725-$ | US-0206139-$ | US-0256529-$ | US-10406387-$ | US-10894314-$ | US-2103106-$ | US-2210235-$ | US-2588009-$ | US-20040074725-$ | US-20040256529-$ | US-20070045505-$ | US-20110049824-$ | US-20130206139-$ | US-4735107-$ | US-6123344-$ | US-6131926-$ | US-6354759-$ | US-6497395-$ | US-7007903-$ | US-7121417-$ | US-8292244-$).DID.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/07/14 06:34 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 27, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	1	of	2	Attorney Docket Number	066749-2792

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	2,103,106	12-21-1937	Yurkovitch	
	A2	2,210,235	08-06-1940	Filbert	
	A3	2,588,009	03-04-1952	Jones	
	A4	4,735,107	04-05-1988	Winkie	
	A5	6,123,344	09-26-2000	Clegg	
	A6	6,131,926	10-17-2000	Harlan	
	A7	6,354,759	03-12-2002	Leicht	
	A8	6,497,395	12-24-2002	Croker	
	A9	7,007,903	03-07-2006	Turner	
	A10	7,121,417	10-17-2006	Magnusson et al.	
	A11	8,292,244	10-23-2012	Okada	
	A12	10,406,387	09-10-2019	Krepel et al.	
	A13	10,894,314	01-19-2021	Hocine et al.	
	A14	2004/0074725	04-22-2004	Shih	
	A15	2004/0256529	12-23-2004	Richter	
	A16	2007/0045505	03-01-2007	Chen	
	A17	2011/0049824	03-03-2011	Bar-Erez et al.	
	A18	2013/0206139	08-15-2013	Krepel 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]

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	07/14/2022

*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.

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**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 27, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	2	of	2	Attorney Docket Number	066749-2792

NON PATENT LITERATURE DOCUMENTS			
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	07/14/2022

*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/30EFS (07-09)
Approved for use through 07/31/2012. 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	17064371	Filing Date	2020-10-06	Docket Number (if applicable)	066749-2792	Art Unit	3736
First Named Inventor	Yaron Brunner			Examiner Name	WEINERTH, GIDEON R		

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 (07-09)
Approved for use through 07/31/2012. 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)	2022-06-27
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.

Electronic Patent Application Fee Transmittal

Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Attorney Docket Number:	066749-2792

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	2000	2000
		Total in USD ($)		**2000**

Electronic Acknowledgement Receipt	
EFS ID:	46050649
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	27-JUN-2022
Filing Date:	06-OCT-2020
Time Stamp:	16:08:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$2000
RAM confirmation Number	E20226QG10023659
Deposit Account	180882
Authorized User	Sarah Sesterhenn-Lee
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	066749-2792-IDS_Transmittal.pdf	87162 38b711b1d193638f8ef43a22e17637435e0b3650	no	2
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	066749-2792-SB08.pdf	121580 b15e93832809a321ee2dff57cf4f0f947b2ff51d	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Request for Continued Examination (RCE)	066749-2792-RCE.pdf	81823 bf898079f0ed20ca1d7504a3238797660c8b4b8a	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	38131 bdc71bd41357f6ac51547eaa934a9d562d11f362	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	328696		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R.
Art Unit:	3736
Confirmation Number:	4794

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. 2004 - Page 41
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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 June 27, 2022

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. 2004 - Page 42
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 27, 2022

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	2,103,106	12-21-1937	Yurkovitch	
	A2	2,210,235	08-06-1940	Filbert	
	A3	2,588,009	03-04-1952	Jones	
	A4	4,735,107	04-05-1988	Winkie	
	A5	6,123,344	09-26-2000	Clegg	
	A6	6,131,926	10-17-2000	Harlan	
	A7	6,354,759	03-12-2002	Leicht	
	A8	6,497,395	12-24-2002	Croker	
	A9	7,007,903	03-07-2006	Turner	
	A10	7,121,417	10-17-2006	Magnusson et al.	
	A11	8,292,244	10-23-2012	Okada	
	A12	10,406,387	09-10-2019	Krepel et al.	
	A13	10,894,314	01-19-2021	Hocine et al.	
	A14	2004/0074725	04-22-2004	Shih	
	A15	2004/0256529	12-23-2004	Richter	
	A16	2007/0045505	03-01-2007	Chen	
	A17	2011/0049824	03-03-2011	Bar-Erez et al.	
	A18	2013/0206139	08-15-2013	Krepel 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]

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.

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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**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 27, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	2	of	2	Attorney Docket Number	066749-2792

NON PATENT LITERATURE DOCUMENTS			
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.

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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.

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 06/17/2022

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: 06/17/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	09/19/2022

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. 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 including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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

142078 7590 06/17/2022

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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	09/19/2022

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) ❑Advance Order - # of Copies _____

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

❑ Electronic Payment via 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

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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IPR2024-01401

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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

142078 7590 06/17/2022

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: 06/17/2022

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)

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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.** 17/064,371	**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 5/19/2022.
   ☐ 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 9,13-14,21,23 and 25-26 . 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 5/19/2022.
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

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: The Amended Claims of 12/22/2021 recites a novel arrangement of a panel with mounting apertures and previously examined male/female couplers and a single latch recess in the front of the panel as shown in Figure 18A.

2. In addition, the IDS of May 19, 2022 does not impact the previous determination of patentability.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to 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
	17/064,371	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	11/26/2020	09/26/2021	02/08/2022						
	1	N	N	N						
	2	N	N	N						
	3	N	N	N						
	4	N	N	N						
	5	N	N	N						
	6	N	N	N						
	7	N	N	N						
	8	N	N	N						
	9	✓	✓	=						
	10	✓	-	-						
	11	✓	-	-						
	12	✓	-	-						
	13	✓	✓	=						
	14	✓	✓	=						
	15	N	-	-						
	16	N	-	-						
	17	N	-	-						
	18	N	-	-						
	19	N	-	-						
	20	N	-	-						
	21		✓	=						
	22		-	-						
	23		✓	=						
	24		✓	-						
	25		✓	=						
	26			=						

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	07 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220607

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

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

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
211	70.6					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	07 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220607

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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
	1		10		19										
	2		11		20										
	3		12	4	21										
	4	2	13		22										
	5	3	14	5	23										
	6		15		24										
	7		16	6	25										
	8		17	7	26										
1	9		18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	07 June 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220607

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	11/25/2020	GW
A45C7/005,0045	11/25/2020	GW
A45C13/02	11/25/2020	GW
A45F3/10	11/25/2020	GW
B25H1/$,04,14,	11/25/2020	GW
B25H3/$,02,021,023,	11/25/2020	GW
B25H5/$	11/25/2020	GW
B65H2701/533	11/25/2020	GW
B65D21/0223,0209,0228	11/25/2020	GW
B65D2255/00	11/25/2020	GW
Update search	03/05/2021	GW
A45C5/143	09/24/2021	GW
B60B33/0002	09/24/2021	GW
B62B5/0083	09/24/2021	GW
B62B2202/24,10	09/24/2021	GW
F16M13/02	09/24/2021	GW
F16M2200/028	09/24/2021	GW
G06F1/18	09/24/2021	GW
Y10S248/917	09/24/2021	GW
Y10T16/191,5357	09/24/2021	GW
A45C5/14	02/01/2022	GW
A45C7/005,0045	02/01/2022	GW
A45C13/02	02/01/2022	GW
A45F3/10	02/01/2022	GW
B65D21/0223	02/01/2022	GW
B25H1/04	02/01/2022	GW

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	GIDEON R WEINERTH	3736

B25H3/02,021,023,04,003	02/01/2022	GW
B62B1/14	02/01/2022	GW
B62B5/067	02/01/2022	GW
B65D21/0209,0228	02/01/2022	GW
B65D2255/00	02/01/2022	GW
B65H2701/533	02/01/2022	GW
F16M13/022	02/01/2022	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
224	583,645,629,665	11/25/2020	GW
150	113	11/25/2020	GW
190	110	11/25/2020	GW
220	4.27	11/25/2020	GW
190	18A	09/26/2021	GW
16	30,29,257	09/26/2021	GW
248	222.11,223.41,222.13,187.1,223.41,177.1,187.1	09/26/2021	GW
396	419	09/26/2021	GW
	Update search	09/26/2021	GW
220	4.27	02/02/2022	GW
211	70.6	02/02/2022	GW

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

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

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Search Notes		
Search Notes	**Date**	**Examiner**
Search Inventors, cross reference with other co-pending applications	02/08/2022	GW
IDS of 5/19/2022 considered	06/07/2022	GW

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
220	4.27	02/08/2022	GW
211	70.6	02/08/2022	GW
16	30	02/08/2022	GW
248	177.1,187.1	02/08/2022	GW
A45C5	14	02/08/2022	GW
A45C7	005,0045	02/08/2022	GW
A45C13	02	02/08/2022	GW
A45F3	10	02/08/2022	GW
B65D21	0223,0209,0228	02/08/2022	GW
B25H1	04	02/08/2022	GW
B62B1	14	02/08/2022	GW
B25H3	02,021,023,04,003	02/08/2022	GW
B62B5	067	02/08/2022	GW
B65D2255	00	02/08/2022	GW
B65H2701	533	02/08/2022	GW

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

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	25	(("11066089") or ("11155382") or ("11230410") or ("11283117") or ("20020030425") or ("20030075468") or ("20070273114") or ("20090288970") or ("20120073995") or ("20140062042") or ("20140197059") or ("20160213115") or ("20170158216") or ("20200078929") or ("20210104909") or ("20210221561") or ("20210316909") or ("D437484") or ("D649783") or ("D876833") or ("D897103") or ("D918584") or ("D919296") or ("D941020") or ("RE47022")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2022/06/07 18:28
S1	1,013	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	USPAT	OR	OFF	2020/11/24 16:18
S2	73	((("Brunner") near3 ("Yaron"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S3	60	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S4	93	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S5	166	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S21	73	(US-0034515-$ | US-0094393-$ | US-0099405-$ | US-0125072-$ | US-0186513-$ | US-0221177-$ | US-0243925-$ | US-0292213-$ | US-0299027-$ | US-10106180-$ | US-10583962-$ | US-20020125072-$ | US-20030094393-$ | US-20120292213-$ | US-20150034515-$ | US-20160221177-$ | US-20180099405-$ | US-20180186513-$ | US-20200243925-$ | US-20200299027-$ | US-3225865-$ | US-4971201-$ | US-5098235-$ | US-6305498-$ | US-9506489-$ | US-9725209-$ | US-D232798-$ | US-D319016-$ | US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:22

		D325324-$ | US-D326815-$ | US-D340167-$ | US-D352208-$ | US-D361511-$ | US-D415393-$ | US-D420860-$ | US-D527225-$ | US-D536580-$ | US-D649350-$ | US-D738105-$ | US-D753396-$ | US-D777426-$ | US-D784089-$ | US-D803631-$ | US-D806483-$ | US-D831352-$ | US-D836995-$ | US-D839681-$ | US-D845080-$ | US-D845081-$ | US-D857387-$ | US-D873085-$ | US-D880252-$ | US-D880951-$ | US-D883752-$ | US-D887788-$ | US-D888422-$ | US-D888503-$ | US-D891193-$ | US-D891195-$ | US-D891875-$ | US-D892565-$ | US-D895375-$).DID.				
S22	270	(US-0000440-$ | US-0002004-$ | US-0006770-$ | US-0023349-$ | US-0024468-$ | US-0026901-$ | US-0027475-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0038367-$ | US-0039781-$ | US-0044059-$ | US-0052276-$ | US-0055534-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0071990-$ | US-0073516-$ | US-0076759-$ | US-0090616-$ | US-0103494-$ | US-0104308-$ | US-0104921-$ | US-0106244-$ | US-0115312-$ | US-0115715-$ | US-0119060-$ | US-0121056-$ | US-0121547-$ | US-0121783-$ | US-0127129-$ | 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-0161518-$ | US-0161975-$ | US-0165036-$ | US-0165828-$ | US-0166352-$ | US-0166516-$ | US-0168880-$ | US-0169739-$ | US-0171228-$ | US-0174392-$ | US-0178946-$ | US-0180250-$ | US-0181008-$ | US-0184034-$ | US-0186624-$ | US-0194543-$ | US-0195793-$ | US-0205877-$ | US-0206656-$ | US-0207571-$ | US-0217464-$ | US-0219193-$ | US-0220531-$ | US-0220758-$ | US-0223971-$ | US-0225371-$ | US-0236482-$ | US-0239808-$ | US-0254946-$ | US-0257958-$ | US-0266804-$ | US-0271280-$ | US-0271616-$ | US-0274362-$ | US-0277221-$ | US-0290288-$ | US-0308369-$ | US-0318927-$ | US-0320243-$ | US-0326406-$ | US-0349013-$ | US-0376917-$ | US-10434638-$ | US-2042387-$ | US-2430200-$ | US-2970358-$ | US-20020000440-$ | US-20020171228-$ | US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:25

		20030115715-$ | US-20030146589-$ | US-20030184034-$ | US-20030205877-$ | US-20040103494-$ | US-20040195793-$ | US-20040206656-$ | US-20050062244-$ | US-20050104308-$ | US-20050139745-$ | 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-20080308369-$ | US-20090026901-$ | US-20090071990-$ | 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-20110181008-$ | US-20110220531-$ | US-20120160886-$ | US-20120180250-$ | US-20120207571-$ | US-20120326406-$ | US-20130024468-$ | US-20130031731-$ | US-20130031732-$ | US-20130068903-$ | US-20130121783-$ | US-20130127129-$ | US-20130154218-$ | US-20130223971-$ | US-20140076759-$ | US-20140161518-$ | US-20140166516-$ | US-20140000-$ | US-20150274362-$ | US-20150376917-$ | US-20160023349-$ | US-20160130034-$ | US-20160144500-$ | US-20160168880-$ | US-20170121056-$ | US-20170138382-$ | US-20170165828-$ | US-20170166352-$ | US-20170174392-$ | US-20170217464-$ | US-20170239808-$ | US-20170257958-$ | US-20170266804-$ | US-20170318927-$).DID.				
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S24	9	("2018/0220758").URPN.	USPAT	OR	OFF	2020/11/24 16:30
S25	101	("10405626" | "10703534" | "10710770" | "20030094392" | "20030102970" | "20060049640" | "20060170558" | "20080067091" | "20080251396" | "20090236255" | "20110121695" | "20110139666" | "20110147256" | "20110186397" | "20110233096" | "20140062281" | "20140262885" | "20160008972" | "20160144500" | "20160213115" | "20170318927" | "20180220758" | "20190291922" | "20190308772" | "20190315515" | "4643494" | "4671943" | "4820499" | "5101969" | "5379887" | "5445273" | "5495945" | "5890613" | "5979654" | "6082539" | "6874634" | "6880869" | "6889838" | "7000287" | "7573385" | "8061492" | "8186534" | "8522967" | "8590704" | "8677661" | "9131770" | "D292634" | "D340353" | "D355764" | "D356211" | "D356679" | "D360757" | "D361663" | "D416682" | "D439408" | "D446015" | "D448567" | "D452613" | "D462522" | "D470658" | "D478421" | "D483946" | "D487634" | "D520237" | "D520734" | "D524651" | "D539541" | "D542529" | "D557011" | "D572479" | "D595958" | "D598684" | "D600015" | "D601797" | "D608094" | "D616200" | "D620255" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:31

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		"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 ("10703534").URPN.				
S28	8	("2019/0225371").URPN.	USPAT	OR	OFF	2020/11/24 16:33
S29	83	("7905353" | "20140102928" | "6761366" | "8789699" | "D493284" | "D520237" | "D564216" | "D613560" | "D643217" | "D647300" | "D703436" | "D709287" | "D709697" | "D710098" | "20140375181" | "20120312812" | "20170129097" | "6082539" | "5022546" | "8602217" | "D439407" | "D600912" | "D701696" | "D703437" | "D710100" | "D711105" | "D713639" | "D719352" | "D753395" | "20110139666" | "D649783" | "D844325" | "20090145790" | "5437369" | "D437484" | "D467426" | "D630851" | "D693121" | "D702044" | "D753396" | "6371320" | "8505729" | "20070273114" | "D415894" | "D630435" | "D636994" | "D701697" | "5699925" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:34

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S30	59	("20030062232" | "20040211634" | "20060012139" | "20060027475" | "5011013" | "5209384" | "5240264" | "5664652" | "5833065" | "6126003" | "6176559" | "6347847" | "6371320" | "6601930" | "6761366" | "7004481" | "7210689").PN. OR ("7503569").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:37
S31	15	("20090314555" | "20100290877" | "20120326406" | "3711110" | "4284286" | "4565382" | "5257892" | "6170839" | "6328319" | "6761366" | "7367571" | "7503569" | "7571915").PN. OR ("9050992").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:40
S32	29	("1100702" | "1255484" | "1715865" | "1808864" | "2433356" | "2668061" | "2712869" | "3071387" | "3118685" | "3403923").PN. OR ("3711110").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:40
S33	881	("1087167" | "1107874" | "1112460" | "1123686" | "1147566" | "1427583" | "1483953" | "1490575" | "1515756" | "1581414" | "1693166" | "1699313" | "1771813" | "1900108" | "1942562" | "1975726" | "20010013358" | "20010037163" | "20010052686" | "20010054433" | "20020043774" | "20020056579" | "20020067015" | "20020070517" | "20020105158" | "20020128714" | "20020140392" | "20020167138" | "20020181961" | "20030000747" | "20030024938" | "20030038457" | "20030069474" | "20030075890" | "20030081408" | "20030097080" | "20030110938" | "20030141688" | "20030160411" | "20030168371" | "20030177747" | "20030197338" | "20030221880" | "20030223844" | "20030234501" | "20040016854" | "20040017055" | "20040030571" | "20040045314" | "20040061294" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:41

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S38	82	("20020175172" | "20030136699" | "20040035867" | "20040112906" | "20040173996" | "20040195793" | "20050051549" | "20050109654" | "20060119060" | "20060201943" | "20070045146" | "20070202221" | "20070235963" | "20080047855" | "20080296183" | "20090212514" | "20100108556" | "20110186458" | "20120292867" | "20140014539" | "20140210188" | "20140251996" | "20140360899" | "20150151566" | "2338477" | "2765099" | "3376046" | "3613940" | "3777896" | "3912158" | "3923318" | "3963256" | "4091953" | "4291829" | "4316540" | "4363821" | "4576389" | "4688675" | "4756420" | "5042674" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:47

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S41	78	("0879455" | "20040134390" | "20040178208" | "20060254946" | "20060254947" | "20080017650" | "20100219193" | "2695115" | "2849151" | "3103278" | "3117692" | "3383009" | "3391824" | "3407758" | "3419184" | "3481502" | "3616943" | "3754645" | "3756396" | "3759416" | "3811747" | "3916803" | "3926321" | "3968879" | "4287997" | "4618059" | "4655360" | "4765252" | "4832200" | "4848605" | "4889235" | "5054617" | "5203494" | "5392945" | "5404829" | "5454477" | "5641090" | "5718350" | "5769230" | "5779051" | "5974981" | "6021916" | "6085467" | "6186345" | "6237758" | "6308858" | "6371364" | "6446563" | "6457599" | "6585090" | "6622642" | "6662950" | "6698362" | "7163122" | "D236326" | "D333094" | "D361715" | "D446017" | "D500924").PN. OR ("8851287").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:54
S42	4	B65D71/0088,0092,0096.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:55
S43	10	(("1261155") or ("1498377") or ("1826835") or ("1900980") or ("2400197")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:57
S44	3	("1498377").URPN.	USPAT	OR	OFF	2020/11/24 16:57

S45	0	("2830699").URPN.	USPAT	OR	OFF	2020/11/24 16:58
S46	1,656	(truck) and (tool adj box)	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:58
S47	10	("20030230909" | "20130021453" | "20140117062" | "3688954" | "4420238" | "4465187" | "5018779" | "6152513" | "6886876" | "D374654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:03
S48	127	B25H1/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:05
S49	118	B25H3/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
S50	7	B25H5/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
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S53	14	("2016/0194115").URPN.	USPAT	OR	OFF	2020/11/24 17:10
S54	48	("0263561" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" |	US-PGPUB;	OR	OFF	2020/11/24 17:11

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S56	31	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").PN. OR ("7690856").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:15
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S58	24	(("0577452") or ("0895867") or ("1126977") or ("2199970") or ("2522483") or ("2563094") or ("2703200") or ("2715559") or ("2974808") or ("3030163") or ("3081023") or ("3107012")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:20
S59	42	("2807387" | "3182856" | "4724756" | "5083664" | "5375709" | "5445269").PN. OR ("5934466").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:24
S60	23	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26
S61	26	("3224822" | "3401993" | "3552817" | "3851936" | "3907116" | "4178047" | "4243279" | "4317603" | "4328902" | "4420196" | "5271515" | "5375709" | "5775046" | "6050657").PN. OR ("7350648").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26

S62	151	("1409838" | "20010040080" | "20020074332" | "20020130005" | "20020185350" | "20030034215" | "20030034636" | "20040000457" | "20040004332" | "20040026199" | "20040074725" | "20040163910" | "20040211634" | "20040238303" | "20050077133" | "20050077706" | "20050098402" | "20050103590" | "20050150733" | "20050258621" | "20050285359" | "20060010644" | "20060086583" | "20060102677" | "20060163305" | "20060175170" | "20060196743" | "20060207848" | "20080060953" | "20080136133" | "20080223679" | "20080236972" | "20080308369" | "20080308370" | "20090057082" | "20090139813" | "20090160147" | "20090218187" | "20100000805" | "20100025174" | "20100095480" | "20100108452" | "20100147642" | "20100263977" | "20100307879" | "20100308563" | "20110247910" | "20120160617" | "20120261223" | "20150091264" | "20160045000" | "2454438" | "2602675" | "3131829" | "3178197" | "3317081" | "3659867" | "3842953" | "3891230" | "3974898" | "4087102" | "4314624" | "4335895" | "4575109" | "4588055" | "4673070" | "4917392" | "4953257" | "4969660" | "5072958" | "5105962" | "5127662" | "5263727" | "5310071" | "5348325" | "5533231" | "5628443" | "5630601" | "5749503" | "5803471" | "5815843" | "5873145" | "5984154" | "5984327" | "6016893" | "6042127" | "6047442" | "6141841" | "6179176" | "6182981" | "6186295" | "6196366" | "6196560" | "6213266" | "6213267" | "6237734" | "6260871" | "6279705" | "6289554" | "6305587" | "6360400" | "6367602" | "6401888" | "6401890" | "6409412" | "6454065" | "6471019" | "6474524").PN. OR ("6484362" | "6530507" | "6533086" | "6575493" | "6591950" | "6604617" | "6609271" | "6736073" | "6769701" | "6832670" | "6880685" | "6923352" | "6961976" | "6964420" | "7066311" | "7070190" | "7073694" | "7093700" | "7097181" | "7097183" | "7143912" | "7226073" | "7232018" | "7237660" | "7281616" | "7284304" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:27

		"7318507" | "7328779" | "7350648" | "7374183" | "7426985" | "7441785" | "7478803" | "7594569" | "7597341" | "7780026" | "8607947").PN. OR ("9888752").URPN.				
S63	19	("2010/0147642").URPN.	USPAT	OR	OFF	2020/11/24 17:28
S64	172	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:29

		"5608603" | "5628443" | "5797617").PN. OR ("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" | "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" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D833744" | "D837515").PN. OR ("D897103").URPN.				
S65	9	("2018/0220758").URPN.	USPAT	OR	OFF	2020/11/24 17:30
S66	24	("20110139665" | "20110155613" | "3410376" | "5544751" | "20150069962" | "4643494" | "8561769" | "6367631" | "1084360" | "8602217" | "6098819" | "3891230" | "6585090" | "8590704" | "3757911" | "6213266" | "20080121547" | "1084360" | "5971119" | "20100224528" | "20140062281" | "20150274362" | "20170318927").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:30
S67	51	("1575270" | "20020170933" | "20030141329" | "20050247653" | "20060237509" | "20080142462" | "20080179370" | "20080185353" | "20090145789" | "20090145866" | "20140075650" | "20170266804" | "2290468" | "2546720" | "2763377" | "2964196" | "3145031" | "3536286" | "4264013" | "4923202" | "4932576" | "5395023" | "5511705" | "5722576" | "5881891" | "5971242" | "6213365" | "6666465" | "6698632" | "6874624" | "7090075" | "7322482" | "7686196" | "7699197" | "7726495" | "7762440" | "8267260" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20

		"8510868" | "9038869" | "D163637" | "D165553" | "D328681").PN.				
S68	18	("2715966" | "20050247653" | "4771897" | "5429252" | "5740927" | "5845792" | "6152312" | "6267338" | "6435357" | "6564949" | "6698603" | "6871749" | "7014052" | "7028854" | "7117998" | "6581788" | "5915573").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20
S69	43	("2754974" | "4693381" | "4771897" | "4869378" | "5224609" | "5472167" | "5524772").PN. OR ("5740927").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:22
S70	17	("20130134193" | "20130269509" | "2783896" | "4776471" | "5078279" | "5438787" | "5740927" | "5762245" | "5791499" | "6546598" | "6572168" | "6626477" | "7047771").PN. OR ("8939335").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:23
S71	71	("2708088" | "3701436" | "3876079" | "4084735" | "4108313" | "4271997" | "4450989" | "4776471").PN. OR ("5078279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:24
S72	58	("0554252" | "1202588" | "1951255" | "20050133473" | "20060113341" | "20060288625" | "20070170129" | "20110168649" | "20120228243" | "2783896" | "2958422" | "2987285" | "4113107" | "4132315" | "4141452" | "4174042" | "4461385" | "4776471" | "4936531" | "4982522" | "4986427" | "5062184" | "5078279" | "5222701" | "5265950" | "5524772" | "5806691" | "5979846" | "6129252" | "6427497" | "6929233" | "6935065" | "6986446" | "7267353" | "7467719" | "7478892" | "7770740" | "8444034" | "D611558").PN. OR ("8678206").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:26
S73	32	("0670870" | "2724881" | "3069538" | "3197830" | "3421187" | "3463436" | "3746294" | "3888440" | "3894707" | "4391376" | "4638966" | "4768741" | "5062184").PN. OR ("5222701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:29
S74	32	("2653686" | "3154281" | "3253084" | "3632071" | "3807675" | "3809799" | "3894706" | "3913876" | "3917202" | "3985275" | "4023758").PN. OR ("4391376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:31
S75	18	("20140259566" | "2384158" | "3226069" | "3633857" | "3894707" | "4391376" |	US-PGPUB;	OR	OFF	2020/11/24 22:31

		"4524937" | "5098054" | "5105509" | "5487518" | "5906302" | "7261256" | "8413933" | "9127807" | "9303792" | "D343975").PN. OR ("10758065").URPN.	USPAT; USOCR			
S76	39	("2937766" | "3319983" | "4955573" | "5020760" | "5190260").PN. OR ("5487518").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:33
S77	26	("20020125389" | "20040051015" | "20040238702" | "2908471" | "3695569" | "3702591" | "3774788" | "4071216" | "4306702" | "5078279" | "5351842" | "D373719").PN. OR ("8500078").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:41
S78	24	("2651710" | "3403641" | "3526934" | "3756637" | "4199070" | "4460141" | "4819309" | "4953146" | "5058843" | "5794897" | "5941483" | "6079673" | "6357194" | "6783101" | "7007900" | "7484698" | "8342474" | "8500078").PN. OR ("9267624").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:42
S79	53	("20040056156" | "20080296443" | "20090218451" | "20090277524" | "4618114" | "4919372" | "5123547" | "5794897" | "5921509" | "6053456" | "6227502" | "6378811" | "6378813" | "6561466" | "6715247" | "6889944" | "7281356").PN. OR ("8342474").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:43
S80	31	("20050211463" | "3125196" | "3523667" | "3526934" | "3765629" | "3856246" | "4093076" | "4336673" | "4601447" | "4618114" | "4856658" | "5104072" | "5642612" | "5791607" | "5823484" | "5829243" | "5855279" | "6375129" | "6378811" | "6513781" | "6889944" | "7467767" | "7497718" | "7686259" | "7802680" | "7828251" | "8074945" | "8079552").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:44
S81	22	("4410095" | "4770297" | "5351417" | "5484057" | "5595294" | "6047827" | "7395984").PN. OR ("7802680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:45
S82	126	("0136905" | "0177936" | "0327939" | "0342194" | "0543735" | "0570465" | "0632234" | "0687431" | "0724427" | "0754503" | "0764774" | "0888032" | "0914469" | "1653374" | "1848937" | "1936813" | "20040020880" | "20040108734" | "20060022105" | "20070251904" | "20080053931" | "20080169395" | "20080179898" | "20100264102" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:46

		"20110042333" | "20120012726" | "20120111814" | "20120152871" | "20120181244" | "20150250333" | "20170127867" | "2141009" | "2273641" | "2309990" | "2344339" | "2369336" | "2447128" | "2485201" | "2754974" | "2842264" | "2919881" | "3285426" | "3289994" | "3343684" | "3612426" | "4308961" | "4609233" | "4658967" | "4750698" | "4773172" | "4775127" | "4882868" | "4905846" | "4936469" | "5060897" | "5080238" | "5104083" | "5154304" | "5312081" | "5348167" | "5398820" | "5433413" | "5441161" | "5480206" | "5584462" | "5584521" | "5727698" | "5853092" | "5897002" | "5906403" | "6257409" | "6283311" | "6289618" | "6299000" | "6349909" | "6427500" | "6557807" | "6604637" | "6607234" | "6637707" | "6789771" | "6886791" | "6932223" | "6935518" | "7040125" | "7228977" | "7427053" | "7658265" | "7694933" | "7802680" | "8550265" | "9339130" | "D043289" | "D175455" | "D855408").PN. OR ("10729244").URPN.				
S83	20	("0488851" | "1045932" | "20020070136" | "20020104709" | "20050258002" | "5370263" | "5433413" | "5673885" | "5782314" | "5873433" | "5950972" | "7032711" | "7063187").PN. OR ("7658265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:48
S84	8	("20070284191" | "20090127146" | "4653713" | "6138963" | "6401862" | "6997282" | "7540560" | "7658265").PN. OR ("10184292").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:49
S85	76	("1858656" | "2308180" | "2444096" | "2798652" | "3495683" | "3631572" | "3915189" | "4261435" | "4300740" | "4428458" | "4480810").PN. OR ("4653713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:50
S86	51	("1794700" | "20020017430" | "20050258002" | "20070181367" | "20090078504" | "20090179125" | "3477679" | "3915189" | "4176580" | "4653713" | "4858869" | "5035389" | "5240214" | "5259480" | "5358070" | "5370263" | "5433416" | "5503245" | "5547080" | "5573081" | "5584357" | "5622278" | "5740883" | "5782314" | "5899420" | "5924615" | "6401862" | "6412601" | "6443260" | "6467577" | "6827215" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:53

		"6837383" | "7032711" | "7270307").PN. OR ("8453796").URPN.				
S87	42	("4211455" | "4303158" | "4437568" | "4703850" | "4911296" | "4928823" | "5370263" | "5547080" | "5725096" | "5727649" | "5749437" | "5901998" | "5913380" | "5924615" | "5951129" | "5971101" | "6095156").PN. OR ("6837383").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:55
S88	19	("2835503" | "3084463" | "4828120" | "6189248" | "6220461" | "6264220" | "6367752" | "6698701" | "6712324" | "6837383" | "7798336").PN. OR ("8517320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:56
S89	147	("1855314" | "1869901" | "1879332" | "1900868" | "20030106498" | "20030192480" | "20040112258" | "20050072894" | "20050115508" | "20050246989" | "20050279898" | "20060011142" | "20060042549" | "20060196436" | "20070028854" | "20080023479" | "20080179265" | "20080190372" | "20080237434" | "20090001231" | "20100107984" | "20100162961" | "20110049065" | "20110114025" | "20120325158" | "20130334377" | "20140346293" | "20150122185" | "20190053623" | "2555396" | "2845896" | "3099355" | "3260559" | "3630385" | "3669035" | "3698594" | "3776193" | "4044723" | "4065195" | "4205629" | "4261294" | "4329003" | "4498654" | "4532891" | "4587930" | "4699089" | "4798170" | "4843977" | "4919498" | "4976223" | "4986332" | "5000124" | "5054431" | "5144912" | "5152247" | "5226625" | "5435266" | "5501176" | "5718493" | "5730081" | "5802647" | "5855184" | "5870969" | "6098941" | "6131521" | "6161486" | "6189489" | "6199510" | "6209487" | "6308641" | "6382578" | "6394001" | "6409137" | "6427626" | "6516948" | "6526911" | "6705249" | "6729685" | "6901880" | "6945194" | "7077372" | "7124709" | "7261264" | "7284500" | "7314023" | "7341019" | "7395765" | "7513219" | "7530329" | "7614363" | "7665417" | "7748538" | "7802327" | "7837165" | "7938083" | "7963231" | "8146534" | "8148651" | "8245992" | "8308115" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:57

		"8342129" | "8381661" | "8443736" | "8517320" | "8671598" | "8672172" | "8684195" | "8776725" | "8807082" | "8833305" | "8893657" | "9284776" | "D209754" | "D209755" | "D213377" | "D213378").PN. OR ("D216989" | "D229073" | "D357557" | "D358233" | "D375818" | "D421160" | "D424758" | "D424759" | "D491697" | "D506295" | "D622013" | "D657920" | "D662265" | "D676612" | "D695974").PN. OR ("10412929").URPN.				
S90	26	("1900868" | "20030116094" | "20040144330" | "20090015121" | "20130145990" | "2555396" | "2659345" | "2800380" | "2997022" | "3606506" | "3743372" | "4231626" | "4634193" | "5144912" | "5152247" | "5222990" | "5435266" | "7458338" | "8342129").PN. OR ("8893657").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:00
S91	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:03
S92	34	("3514170" | "3552817" | "3743372" | "3999818" | "5046789" | "5454634" | "5704699" | "5775046" | "6003924" | "6015050" | "6027188" | "6050657" | "6488346").PN. OR ("7100999").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:06
S93	102	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:09
S94	42	("1520518" | "1870978" | "20040198141" | "3241885" | "3415007" | "3669033" | "3966337" | "4039133" | "4163537" | "4212130" | "4216729" | "4223945" | "4270302" | "4915034" | "5226864" | "5715760" | "5775046" | "5813737" | "5899423" | "5988077" | "6220180" | "6283042" | "6341566" | "6382109" | "8191488" | "D370045").PN. OR ("8316781").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:14
S95	41	("20040226901" | "20070023464" | "2100421" | "2996192" | "3172540" | "3452959" | "3497079" | "3799357" | "4480755" | "4509648" | "4516681" | "4932538" | "5083668" | "5775046" | "5927517" | "5944203" | "6015124" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:17

		"6062399" | "6481584" | "6491172" | "6929131" | "6945414").PN. OR ("7798338").URPN.				
S96	159	("20010047971" | "20030189019" | "2029089" | "3192667" | "3204776" | "3310271" | "3469710" | "3698565" | "3733756" | "4223488" | "4229913" | "4323163" | "4420087" | "4438604" | "4450970" | "4572381" | "4579308" | "4589557" | "4591058" | "4593824" | "4598504" | "4602756" | "4607753" | "4615448" | "4629076" | "4638618" | "4674240" | "4677794" | "4805783" | "4805784" | "4809479" | "4811475" | "4825601" | "4826022" | "4891897" | "4932538" | "4944416" | "4961295" | "5138803" | "5142832" | "5185971" | "5228579" | "5241796" | "5337525" | "5360121" | "5375802" | "5412912" | "5429252" | "5477969" | "5484067" | "5547156" | "5582376" | "5655674" | "5671852" | "5697507" | "5740927" | "5791093" | "5819490" | "5857577" | "5899344" | "5941026" | "5944203" | "6050426" | "6068135" | "6116435" | "6119784" | "6119878" | "6123154" | "6134846" | "6164467" | "6199705" | "6209730" | "6276034" | "6299001" | "6311854" | "6325223" | "6349507" | "6363645" | "6591996").PN. OR ("6945414").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:18
S97	20	("20060243766" | "20070094955" | "20100307649" | "20130081233" | "20130193179" | "20140374564" | "2920767" | "3605637" | "4256424" | "4687094" | "4708311" | "5083668" | "5674033" | "6824028" | "6945414" | "7261264" | "7392912" | "8613564").PN. OR ("10683963").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:20
S98	39	("20050072746" | "3200960" | "4094415" | "4509648" | "4826022" | "5109993" | "5154304" | "5316252" | "5484067" | "5595309" | "5927517" | "6068135" | "6070747" | "6481584" | "6491172" | "6536613" | "6561474" | "6575314" | "6644483" | "6675978").PN. OR ("7392912").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:23
S99	54	("1787734" | "2997270" | "3229944" | "3278146" | "4204602" | "4909464" | "5056668" | "5069416" | "Re33596").PN. OR ("5316252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:25

S100	9	("2997270").URPN.	USPAT	OR	OFF	2020/11/24 23:27
S101	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	OFF	2020/11/25 00:00
S102	14	("3899229" | "4054344" | "4087145" | "4216857" | "4243279" | "D238401" | "D247794").PN. OR ("D285986").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 00:01
S103	58	("3552817").URPN.	USPAT	OR	OFF	2020/11/25 11:50
S104	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:49
S105	66	("2128854" | "3743372").PN. OR ("4863222").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:50
S106	6	(("0460177") or ("1294446") or ("2568147")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:00
S107	9	("1294446").URPN.	USPAT	OR	OFF	2020/11/25 19:01
S108	61	("0722828" | "2473951" | "2584050" | "4059248" | "4141524" | "4432525" | "4653713" | "4805859" | "4819922" | "4874147" | "4967929" | "4986505" | "5007612" | "5009380").PN. OR ("5240214").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:27
S109	52	("2476134" | "2512934" | "4095364" | "4382733" | "4700923").PN. OR ("4805859").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:29
S110	60	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:31
S111	19	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:34

S112	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:35
S113	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:37
S114	56	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:40
S115	8	("2017/0138382").URPN.	USPAT	OR	OFF	2020/11/25 19:53
S116	84	("2461526" | "3078484" | "3114486" | "3233803" | "3749294" | "3902640" | "3915189" | "4082208" | "4287997" | "4307826" | "4366922" | "4424841" | "4491258" | "4545414" | "4673070" | "4790432" | "4813542" | "4884731" | "5131576" | "5184763" | "5321904" | "5419473").PN. OR ("5628443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:58
S117	67	("3194426" | "3642337" | "4192562" | "4893719" | "5263576" | "5299688" | "5310071").PN. OR ("5890613").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:23
S118	609	224/583,645,629,665.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S119	301	150/113.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S120	552	190/110.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S121	14	("2009/0145866").URPN.	USPAT	OR	OFF	2020/11/25 22:27
S122	12	("20110139777" | "5301829" | "5427265" | "8602217").PN. OR ("9701443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 22:30

S123	17	("4181349" | "4188058" | "4911493" | "5131709" | "5137322" | "5154478" | "5421634" | "5722711" | "D271009").PN. OR ("6017075").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:10
S124	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:22

		20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-				

		0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S125	1,179	B25H3/02.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S126	570	220/4.27.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S127	1,079	B65D21/0223,0209,0228.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S128	2,226	A45C5/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S129	91	A45C7/005.cpc.	US-PGPUB;	OR	OFF	2020/11/25 23:23

			USPAT; USOCR			
S130	3,366	A45C13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S131	431	A45F3/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S132	935	B25H1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S133	199	B25H3/021.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S134	1,147	B62B1/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S135	377	A45C7/0045.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S136	473	B25H3/023.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S137	959	B62B5/067.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S138	42	B65D2255/00.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S139	206	B65H2701/533.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S140	16	("3187924" | "5743416" | "D582190" | "4848574" | "3563394" | "4126366" | "6206189" | "6786341" | "20050189308" | "5497877" | "4993583" | "3252614" | "3347394").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:46

S141	40	("3000684" | "3002630" | "3542446" | "3734526" | "4222544" | "4240684" | "4429850" | "4457527" | "4458963" | "4509648" | "4653638" | "4681233" | "4706918" | "4744613" | "4880192" | "5188242" | "5246286" | "5360121" | "5370263" | "7209098" | "D303306").PN. OR ("5437502").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:54
S142	26	("3182856").URPN.	USPAT	OR	OFF	2020/11/26 19:24
S143	317	(US-20190225371-$ or US-20180161975-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20190315515-$ or US-20190291922-$ or US-20170318927-$ or US-20160144500-$ or US-20160008972-$ or US-20140062281-$ or US-20180044059-$ or US-20150376917-$ or US-20120152944-$ or US-20110181008-$ or US-20110049824-$ or US-20090236255-$ or US-20040134818-$ or US-20060027475-$ or US-20060012139-$ or US-20120326406-$ or US-20160023349-$ or US-20150241107-$ or US-20140014669-$).did. or (US-20040195793-$ or US-20100219193-$ or US-20040134390-$ or US-20200353612-$ or US-20200238920-$ or US-20200223349-$ or US-20200165036-$ or US-20190381959-$ or US-20160059906-$ or US-20180326572-$ or US-20180312115-$ or US-20030230909-$ or US-20170320209-$ or US-20160256995-$ or US-20160176003-$ or US-20190168376-$ or US-20160194115-$ or US-20160130034-$ or US-20150021322-$ or US-20030094392-$ or US-20110247910-$ or US-20100147642-$ or US-20150274362-$ or US-20150069962-$ or US-20170266804-$ or US-20090145866-$ or US-20050247653-$).did. or (US-20070170129-$ or US-20140259566-$ or US-20080296443-$ or US-20170127867-$ or US-20120111814-$ or US-20080169395-$ or US-20080053931-$ or US-20060022105-$ or US-20040020880-$ or US-20090179125-$ or US-20020017430-$ or US-20190053623-$ or US-20080237434-$ or US-20050279898-$ or US-20050072894-$ or US-20130145990-$ or US-20130193179-$ or US-20100307649-$ or US-20170138382-$ or US-20170121056-$ or US-20140161518-$ or US-20110139665-$ or US-20080104921-$ or US-20050139745-$ or US-20030205877-$ or US-20030184034-$ or US-20050242144-$).did. or (US-20020020729-$ or US-20200243925-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57

		20170166352-$ or US-20090127146-$ or US-20180127007-$ or US-20180111635-$ or US-20130269844-$ or US-20190000199-$ or US-20120152800-$ or US-20120074158-$ or US-20110073516-$ or US-20180229889-$ or US-20170320621-$ or US-20100052276-$).did. or (US-10829269-$ or US-D898320-$ or US-D895966-$ or US-10583962-$ or US-D803560-$ or US-10703534-$ or US-D876833-$ or US-9393684-$ or US-8851282-$ or US-8789699-$ or US-7503569-$ or US-10793172-$ or US-RE47022-$ or US-9050992-$ or US-7367571-$ or US-6170839-$ or US-3711110-$ or US-10071303-$ or US-10843863-$ or US-9500400-$ or US-9522763-$ or US-10093335-$ or US-9409585-$ or US-6095533-$ or US-5599031-$ or US-3376046-$).did. or (US-10044203-$ or US-6193247-$ or US-D349994-$ or US-D333094-$ or US-9802741-$ or US-7537119-$ or US-8851287-$ or US-9994375-$ or US-5100076-$ or US-1498377-$ or US-3557990-$ or US-D374654-$ or US-D882952-$ or US-D880859-$ or US-10603783-$ or US-5609282-$ or US-5423445-$ or US-9725209-$ or US-9469024-$ or US-8979100-$ or US-8590704-$ or US-7690856-$ or US-10829268-$ or US-D873017-$ or US-8540326-$ or US-8322354-$ or US-8262993-$).did. or (US-3201035-$ or US-8490810-$ or US-8342329-$ or US-3081023-$ or US-3030163-$ or US-7322470-$ or US-6082539-$ or US-5934466-$ or US-9132543-$ or US-8590726-$ or US-8210387-$ or US-5375709-$ or US-10723502-$ or US-7350648-$ or US-10219400-$ or US-9888752-$ or US-D897103-$ or US-4643494-$ or US-5740927-$ or US-9975237-$ or US-8939335-$ or US-10137839-$ or US-5078279-$ or US-10709238-$ or US-8678206-$ or US-D817026-$ or US-5524772-$).did. or (US-5222701-$ or US-4391376-$ or US-10758065-$ or US-9303792-$ or US-9127807-$ or US-5906302-$ or US-5487518-$ or US-10206502-$ or US-9828073-$ or US-5996949-$ or US-D343975-$ or US-5586739-$ or US-8500078-$ or US-9267624-$ or US-8342474-$ or US-8074945-$ or US-7802680-$ or US-10729244-$ or US-7658265-$ or US-10450799-$ or US-10184292-$ or US-7540560-$ or US-6401862-$ or US-4653713-$ or US-10500714-$ or US-10365032-$ or US-8453796-$).did. or (US-9850706-$ or US-9714542-$ or US-7270307-$ or US-6837383-$ or US-9596930-$ or US-8517320-$ or US-				

		10412929-$ or US-8893657-$ or US-4634193-$ or US-4231626-$ or US-3743372-$ or US-D714554-$ or US-7866769-$ or US-7100999-$ or US-10286542-$ or US-9526333-$ or US-9510678-$ or US-9185975-$ or US-6050657-$ or US-6027188-$ or US-5775046-$ or US-10842264-$ or US-10676874-$ or US-10555605-$ or US-10501929-$ or US-9661944-$ or US-9108764-$).did. or (US-8662120-$ or US-8316781-$ or US-9615671-$ or US-7798338-$ or US-6945414-$ or US-10683963-$ or US-7392912-$ or US-10285515-$ or US-5316252-$ or US-10029275-$ or US-3278146-$ or US-1787734-$ or US-7261264-$ or US-6824028-$ or US-4932538-$ or US-4480755-$ or US-7565746-$ or US-7410289-$ or US-6558222-$ or US-6357194-$ or US-6241248-$ or US-6059631-$ or US-5993283-$ or US-4243279-$ or US-D285986-$ or US-3999818-$ or US-3758181-$).did. or (US-3514170-$ or US-3203744-$ or US-4003172-$ or US-5454634-$ or US-5046789-$ or US-8894160-$ or US-4863222-$ or US-3851936-$ or US-3552817-$ or US-3606506-$ or US-2800380-$ or US-1294446-$ or US-5240214-$ or US-8991639-$ or US-4805859-$ or US-5035389-$ or US-10017134-$ or US-8448829-$ or US-6036071-$ or US-5653366-$ or US-5332183-$ or US-5282554-$ or US-5105958-$ or US-4929973-$ or US-5957421-$ or US-7699197-$ or US-1794700-$).did. or (US-6637707-$ or US-4856658-$ or US-6698632-$ or US-5881891-$ or US-5628443-$ or US-10230077-$ or US-8967379-$ or US-7900757-$ or US-6726075-$ or US-4673070-$ or US-3974898-$ or US-5890613-$ or US-6899346-$ or US-9701443-$ or US-1531542-$ or US-6017075-$ or US-5899544-$ or US-5183307-$ or US-4752095-$ or US-5271515-$ or US-4782619-$ or US-9551367-$ or US-9375835-$ or US-5437502-$ or US-6253948-$ or US-8813960-$).did. or (US-2830699-$ or US-2563094-$ or US-3278146-$ or US-2997270-$ or US-D238401-$ or US-3514170-$ or US-3552817-$ or US-1294446-$ or US-3182856-$).did.				
S144	3	(("5628443") or ("3743372") or ("4805859")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57

S145	39	(US-20200243925-$ or US-20200165036-$ or US-20190225371-$ or US-20190168376-$ or US-20180161975-$ or US-20170266804-$ or US-20170166352-$ or US-20170138382-$ or US-20170121056-$ or US-20160194115-$ or US-20160144500-$ or US-20160130034-$ or US-20140161518-$ or US-20130269844-$ or US-20130193179-$ or US-20120152800-$ or US-20120074158-$ or US-20110139665-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20050139745-$).did. or (US-5628443-$ or US-4805859-$ or US-3743372-$ or US-10758065-$ or US-10017134-$ or US-9132543-$ or US-8448829-$ or US-8316781-$ or US-6726075-$ or US-6698632-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-D343975-$ or US-5282554-$ or US-3514170-$).did.	US-PGPUB; USPAT	OR	OFF	2020/11/26 22:05
S146	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05

		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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$				

		or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or			

		(US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S147	24	S145 not S146	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05

S148	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:29
S149	7	("3334953").URPN.	USPAT	OR	ON	2021/03/04 18:30
S150	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:35
S151	19	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707" | "6824114").PN. OR ("7837165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:36
S152	97	("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	2021/03/04 18:38
S153	184	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:38

		"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.				
S154	8	("2019/0225371").URPN.	USPAT	OR	ON	2021/03/04 19:01

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S159	16	("7172164" | "7673838" | "D321885" | "D329192" | "D411931" | "D551008" | "D572117" | "D635008").PN. OR ("D753982").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19
S160	34	("0606208" | "10258136" | "1252207" | "20030218110" | "20060186304" | "20060261223" | "20080083865" | "20100090857" | "3529799" | "3622116" | "4176580" | "4620736" | "5026016" | "5425524" | "5433416" | "5806822" | "5833205" | "6082688" | "6142892" | "6457687" | "6481679" | "6779766" | "6811348" | "7273203" | "8011071" | "8096026" | "D329192" | "D753982").PN. OR ("10400949").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19
S161	5	("2006/0186304").URPN.	USPAT	OR	ON	2021/03/04 19:20
S162	86	("20060186304" | "20070039907" | "20080209698" | "20080237282" | "20130168429" | "20130232840" | "3878589" | "3912216" | "4132335" | "4419794" | "4458872" | "5014892" | "5054170" | "5549234" | "5605313" | "5687942" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:20

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S164	18	("2793407" | "3090086" | "3547472" | "4014618").PN. OR ("6200062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:23
S165	23	("2793407").URPN.	USPAT	OR	ON	2021/03/04 19:24
S166	8	(("0593330") or ("1182610") or ("1265113") or ("2457002")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/03/04 19:25
S167	43	("1949114" | "2244427").PN. OR ("D329192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:28
S168	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:30

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S169	23	("4098423" | "4216857" | "4561544" | "4612603" | "4627589").PN. OR ("4747570").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:34
S170	49	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20190225371-$ or US-20170138382-$ or US-20070090616-$ or US-20050139745-$ or US-20180290288-$ or US-20060186304-$ or US-20100054724-$ or US-20070170330-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$ or US-6666362-$ or US-7837165-$ or US-6637707-$ or US-D898320-$ or US-7172164-$ or US-D753982-$ or US-10400949-$ or US-D847609-$ or US-D704035-$ or US-D818801-$ or US-D547637-$ or US-6200062-$ or US-2793407-$ or US-10138917-$ or US-4019298-$).did. or (US-3589755-$ or US-5433416-$ or US-D329192-$ or US-5026016-$ or US-9683696-$ or US-8544805-$ or US-8215605-$ or US-7261264-$ or US-4747570-$ or US-D380219-$).did.	US-PGPUB; USPAT	OR	ON	2021/03/08 23:29
S171	17	("10758065" | "20050242144" | "20080296443" | "20090127146" | "20120074158" | "20190168376" | "3514170" | "3743372" | "4805859" | "5282554" | "5628443" | "5653366" | "5775046" | "5890613" | "5957421" | "8448829").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29
S172	33	S170 not S171	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29
S173	76	(US-0014949-$ | US-0025706-$ | US-0029543-$ | US-0031975-$ | US-0039831-$ | US-0069832-$ | US-0080432-$ | US-0094392-$ | US-0123478-$ | US-0139777-$ | US-0151427-$ | US-0152944-$ | US-0223585-$ | US-0224528-$ | US-0229889-$ | US-0346819-$ | US-1084360-$ | US-10603783-$ | US-10703534-$ | US-10750833-$ | US-10793172-$ | US-10829269-$ | US-10933501-$ | US-10981696-$ | US-20030094392-$ | US-	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:13

		20100224528-$ | US-20110139777-$ | US-20120080432-$ | US-20120152944-$ | US-20140069832-$ | US-20140123478-$ | US-20150014949-$ | US-20150151427-$ | US-20180229889-$ | US-20200029543-$ | US-20200223585-$ | US-20200346819-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-3424334-$ | US-3999818-$ | US-4122925-$ | US-4243279-$ | US-4673070-$ | US-5325966-$ | US-5375709-$ | US-5429235-$ | US-6082539-$ | US-6889838-$ | US-7152752-$ | US-7219969-$ | US-7690856-$ | US-8602217-$ | US-8640913-$ | US-8925752-$ | US-D285986-$ | US-D738622-$).DID.				
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S175	1	"20180127007".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:26
S176	24	("2018/0127007").URPN.	USPAT	OR	ON	2021/09/24 22:26
S177	21	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:28
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S179	1	("2015/0102191").URPN.	USPAT	OR	ON	2021/09/24 22:29
S180	45	("1252207" | "20060186290" | "20070097617" | "20070170336" | "20070230102" | "20080105803" | "2174140" | "5730406" | "5833189" | "5850996" | "6173931" | "6315255" | "6371424" | "6431510" | "6702604" | "6758454" | "6877641" | "7261264" | "7334762" | "7455271" | "7499272" | "7673838").PN. OR ("8020821").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:29
S181	5	("2008/0105803").URPN.	USPAT	OR	ON	2021/09/24 22:30
S182	642	G06F1/18.cpc.	USPAT	OR	ON	2021/09/24 22:30

S183	1,229	G06F1/18.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S184	9,466	F16M13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S185	1,607	Y10S248/917.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S186	59	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:32
S187	67	("1519380" | "20020170933" | "2543313" | "3261519" | "3370236" | "3743147" | "3878589" | "4419794" | "4479596" | "4598027" | "4676420" | "4718586" | "4754528" | "4819847" | "4858798" | "4929116" | "5014892" | "5016326" | "5025966" | "5054170" | "5201858" | "5213240" | "5230159" | "5253292" | "5480115" | "5528770" | "5577303" | "5584423" | "5597102" | "5622296" | "5664292" | "5730342" | "5850954" | "5850996" | "5898647" | "5957421" | "5995622" | "5996184" | "6098858" | "6141417" | "6176401" | "6283348" | "6364184" | "6443340" | "6722539" | "6824028" | "6955279" | "6955280" | "7070049" | "D443199").PN. OR ("8499986").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:33
S188	32	("20030000976" | "4083481" | "4598027" | "5025966" | "5213240" | "5347693" | "5730342" | "5791019" | "5829102" | "6283348" | "6286737").PN. OR ("6824028").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:34
S189	43	("20010054217" | "20020158096" | "20020170148" | "20030000976" | "20030047575" | "20030141329" | "20030162510" | "20040204169" | "5274885" | "5597102" | "5730342" | "5779115" | "5833100" | "5850954" | "5850996" | "5927580" | "6006969" | "6205222" | "6223788" | "6283348" | "6286737" | "6443340" | "6714767" | "6736136" | "6824028" | "6955279" | "6955280" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:36

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S191	90	("4419794" | "4897900" | "5014892" | "5054170" | "5375749" | "5584423" | "5597102").PN. OR ("5850996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:38
S192	9	("10165851" | "10222172" | "10271634" | "5850996" | "6098858" | "6286737" | "6786372" | "8613564" | "8919623").PN. OR ("11047644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:39
S193	10	("20080216380" | "20090013580" | "20090293334" | "20100176174" | "5730342" | "5850996" | "6371424" | "7458489" | "8166694").PN. OR ("10222172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:40
S194	108	("3631572" | "4624034" | "5274885" | "5375749" | "5620120" | "5622296").PN. OR ("5730342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:41
S195	9	("20020005421" | "20020158096" | "20030122002" | "20070107169" | "5730342" | "5839173" | "5850954" | "5919623").PN. OR ("10124848").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:46
S196	33	("20020195472" | "20080209698" | "20100071168" | "20110076095" | "20110083353" | "20120030986" | "20120174286" | "5201858" | "5642847" | "5669170" | "5673836" | "5718363" | "5730342" | "5850996" | "5991925" | "6266910" | "6325258" | "6363532" | "6517133" | "6736136" | "6824028" | "7841496" | "8166694" | "D562549" | "D577093").PN. OR ("8613564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:49
S197	6	("2010/0071168").URPN.	USPAT	OR	ON	2021/09/24 22:51
S198	10	("20030042279" | "20060246963" | "20100071168" | "6736136" | "8613564" | "8919622").PN. OR ("9101198").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:52
S199	2	("2006/0246963").URPN.	USPAT	OR	ON	2021/09/24 22:52

S200	32	("20100294816" | "20140027477" | "20140042195" | "3956701" | "4419794" | "5014892" | "5054170" | "5375749" | "5584423" | "5593121" | "5604958" | "5620120" | "5641102" | "5850996" | "6006969" | "6098858" | "6286737" | "6786372" | "7409237" | "7959121" | "7980435" | "8231094" | "8613564").PN. OR ("8919622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:54
S201	40	("4419794" | "4485946" | "5054170" | "5081709" | "5261122" | "5540368").PN. OR ("5584423").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:56
S202	22	("4356943" | "4881150" | "5540368" | "5584423" | "5996184" | "6038742" | "6149043").PN. OR ("6438808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:01
S203	14	("20040003809" | "20040079365" | "20050097709" | "20050274380" | "20100031481" | "20120036682" | "5730342" | "5906031" | "6318610" | "6438808" | "6736136" | "7222621" | "8156616" | "8806726").PN. OR ("9233742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:02
S204	19	("2326558" | "3984191" | "4419794" | "5347693" | "5622296" | "5839173").PN. OR ("6038742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:04
S205	79	("1519380" | "2502034" | "3631572" | "4419794" | "5026016" | "5054170" | "5201858" | "5274885" | "5375749").PN. OR ("5622296").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:07
S206	58	("20050092801" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424" | "7077372").PN. OR ("7261264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:09
S207	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:11

		"7172164" | "7261264" | "7270309" | "7594823" | "7673838" | "7726706" | "8215605" | "8292521" | "8333353" | "D329192" | "D380219" | "D658972").PN. OR ("8544805").URPN.				
S208	28	("1081378" | "20090256037" | "3424421" | "3540687" | "3822049" | "3927315" | "3989215" | "4332052" | "4467990" | "4613135" | "5129613" | "5146631" | "5232191" | "5251959" | "5707033" | "5865562" | "7077372" | "7134635" | "8544805" | "D329192").PN. OR ("9683696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:13
S209	51	("20050092801" | "20050121576" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424").PN. OR ("7077372").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:15
S210	126	("1519380" | "3743147" | "3797717" | "3878589" | "4419794" | "4587818" | "4605335" | "4619020" | "4676420" | "4718586" | "4754528" | "4757927" | "4821934").PN. OR ("5054170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:19
S211	141	("0690277" | "1423590" | "2637885" | "3170209").PN. OR ("4419794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:24
S212	40	("1284422" | "1522957" | "2786678" | "3788642" | "4133509" | "4150381" | "4176580" | "4218058" | "4348022" | "4397464").PN. OR ("4613135").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:30
S213	5	("1081378").URPN.	USPAT	OR	ON	2021/09/24 23:33
S214	82	("1949114" | "20020011544" | "20040011938" | "20040031894" | "20050085123" | "20050127260" | "20060057887" | "20060126284" | "20070170330" | "20070294905" | "20080232044" | "20110210227" | "2244427" | "3046843" | "3960352" | "4747570" | "5026016" | "5433416" | "5812368" | "5966881" | "6119878" | "6400560" | "6409475" | "6519144" | "6554238" | "6702604" | "6758454" | "6935883" | "7066435" | "7172164" | "7225471" | "7270309" | "7317613" | "7334762" | "7390211" | "7404535" | "7413371" | "7481407" | "7594632" | "7594823" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:34

		"7673838" | "8059399" | "8083193" | "D275074" | "D275177" | "D329192" | "D380219" | "D397984" | "D492187" | "D559657" | "D587640" | "D628607" | "D635008" | "D637599").PN. OR ("D658972").URPN.				
S215	30	("5224610" | "5904328" | "6050322" | "6220461" | "7066435").PN. OR ("7270309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:38
S216	30	("5224610" | "5904328" | "6050322" | "6220461" | "7066435").PN. OR ("7270309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:40
S217	45	("0269538" | "10064523" | "20020092817" | "20020148795" | "20030168417" | "20050284991" | "20060261021" | "20080047913" | "20080053935" | "20110168857" | "20150325991" | "4387811" | "4662524" | "5080238" | "5537289" | "5683010" | "6065613" | "6089387" | "6386379" | "6464087" | "6484747" | "6520351" | "6564950" | "6729479" | "7090085" | "7270309" | "7527157" | "7611034" | "7871581" | "7959020" | "9345322" | "D027014" | "D315840" | "D367790" | "D376941" | "D400745" | "D473084" | "D564271" | "D564816" | "D568657" | "D572061" | "D572062" | "D632514").PN. OR ("10849705").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:41
S218	50	("20020144962" | "2779114" | "3650407" | "4019298" | "4564732" | "4595226" | "4629065" | "4807763" | "4882862" | "4936467" | "5035389" | "5203462" | "5244300" | "5356038" | "5413228" | "5433416" | "5435511" | "5664793" | "5706737" | "5819456" | "5823360" | "5871092" | "5871105" | "6053340" | "6637707" | "6932223").PN. OR ("7090085").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:43
S219	95	("0314591" | "0331565" | "0955260" | "1601054" | "20010032910" | "20020166275" | "20030029893" | "20030226861" | "20050023233" | "20070056918" | "20080163528" | "20080164232" | "20080296240" | "20080301988" | "20090194495" | "20100270440" | "20120112022" | "20150154895" | "20180226000" | "2937759" | "4009532" | "4268984" | "4339045" | "4436267" | "4460142" | "4574507" | "4805782" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:46

		"4997997" | "5020759" | "5022174" | "5244102" | "5411144" | "5419362" | "5480073" | "5488656" | "5538144" | "5630516" | "5813546" | "5921011" | "5921403" | "6003804" | "6059215" | "6079675" | "6112909" | "6311879" | "6338213" | "6547204" | "6834813" | "7090085" | "7168577" | "7455258" | "7665616" | "7828254" | "8529184" | "9161644" | "9649547" | "D037306" | "D184994" | "D207246" | "D240486" | "D322746" | "D329194" | "D351552" | "D462254" | "D462603" | "D554979" | "D561009" | "D571190" | "D600067" | "D629671" | "D639147" | "D646555" | "D724934" | "D735560" | "D763665" | "D764259" | "D785380" | "D793209" | "D798131" | "D807733" | "D808776" | "D813649").PN. OR ("10264896").URPN.				
S220	17	("3724085" | "4018339" | "4228982" | "4283038" | "4597554" | "4712761" | "5303895" | "5584462" | "5791625" | "5802729" | "6286802" | "6637707" | "7090085").PN. OR ("7293754").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:48
S221	61	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:51
S222	20	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707" | "6824114").PN. OR ("7837165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:54
S223	13	("20050139745" | "4660793" | "5035389" | "5433416" | "5452874" | "5608603" | "5924790" | "6237886" | "6520463" | "6637707").PN. OR ("7490800").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:56
S224	34	("0495537" | "0541864" | "4632348" | "4679709" | "4948085" | "5035389" | "5060898" | "5226625").PN. OR ("5356105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:59
S225	53	("1794700" | "20050077385" | "20050178941" | "20050224539" | "20060081749" | "20060086876" | "20060231717" | "20070045492" | "20070108213" | "20080142674" | "20080283556" | "20100176261" | "2427335" | "2605021" | "2754991" | "3212660" | "3224644" | "4088250" | "4579309" | "4679709" | "5145139" | "5226625" | "5326006" | "5356105" | "5406816" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:00

		"5480115" | "5492238" | "5494250" | "5549074" | "5669329" | "5813644" | "5934222" | "5947322" | "5992698" | "6095470" | "6318687" | "6321943" | "6427958" | "6557206" | "6572063" | "6983918" | "7234673" | "D394933").PN. OR ("8833596").URPN.				
S226	21	("1840138" | "1894146" | "2897928" | "2939613" | "3389883").PN. OR ("4132380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:23
S227	21	("1840138" | "1894146" | "2897928" | "2939613" | "3389883").PN. OR ("4132380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:24
S228	27	("2680000" | "3608127" | "3685852" | "3935613" | "3987875" | "4422212" | "4589530" | "4817237").PN. OR ("5428866").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:55
S229	19	("3423786" | "3685852" | "4731903").PN. OR ("4817237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:57
S230	27	("1709972" | "2782045" | "2790196" | "3608127").PN. OR ("3935613").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:58
S231	27	("1709972" | "2782045" | "2790196" | "3608127").PN. OR ("3935613").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:00
S232	7	("1709972").URPN.	USPAT	OR	ON	2021/09/26 15:01
S233	356	16/30.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S234	187	A45C5/143.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S235	2,457	B60B33/0002.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S236	1,559	B62B5/0083.cpc.	US-PGPUB;	OR	ON	2021/09/26 15:16

			USPAT; USOCR			
S237	569	B62B2202/24,10.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:16
S238	419	Y10T16/191.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:16
S240	1,147	248/222.11,223.41.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:20
S241	8	("2005/0103959").URPN.	USPAT	OR	ON	2021/09/26 15:22
S242	13	("20050085123" | "20050103959" | "20050127017" | "20120104200" | "20120125873" | "20130182381" | "4176580" | "4620736" | "5026016" | "5244300" | "6109461" | "6481679" | "7172164").PN. OR ("11071384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:23
S243	30	("4957264" | "6491268" | "6585212" | "6621704" | "6817587" | "6896046" | "7032872" | "7544889" | "7551458").PN. OR ("8201788").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:26
S244	44	("2680000" | "2897928" | "3631572" | "3881677" | "4346868" | "4618081" | "4948085" | "5181774").PN. OR ("5332183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:33
S245	1,649	248/222.13,187.1,223.41.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:34
S246	741	16/29,257.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:46
S247	1,201	190/18A.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:46
S249	0	248/187.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:27

S250	75	"4929973"	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28
S251	1	("4929973").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 16:28
S252	887	248/177.1,187.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28
S253	729	396/419.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28
S254	0	F16M11/-041	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S255	0	F16M11/0041.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S256	5,360	F16M13/00.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S257	916	F16M2200/028.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:30
S258	13	("4430771" | "4731903" | "4817237" | "4839940" | "5054164").PN. OR ("5343595").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:39
S259	21	("3423786").URPN.	USPAT	OR	ON	2021/09/26 16:40
S260	4	(("2621361") or ("0546909")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 16:41
S261	7	("1709972").URPN.	USPAT	OR	ON	2021/09/26 16:43
S262	11	("2005/0015928").URPN.	USPAT	OR	ON	2021/09/26 17:13

S263	56	("2262287" | "2696962" | "3349443" | "3388884" | "3495896" | "3692266" | "4077597" | "4217710").PN. OR ("4340199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:19
S264	8	("2127230").URPN.	USPAT	OR	ON	2021/09/26 17:24
S265	104	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$ or US-20180127007-$ or US-20150102191-$ or US-20080105803-$ or US-20020170933-$ or US-20100071168-$ or US-20060246963-$ or US-20050092801-$ or US-20100176261-$ or US-20050103959-$ or US-20050015928-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$ or US-8448829-$ or US-10487978-$ or US-8020821-$ or US-9404615-$ or US-5957421-$ or US-8499986-$ or US-6824028-$ or US-10683963-$ or US-7032791-$ or US-5850996-$ or US-11047644-$ or US-10222172-$ or US-6371424-$ or US-5730342-$ or US-10124848-$ or US-5850954-$ or US-8613564-$ or US-9101198-$ or US-8919622-$ or US-6098858-$ or US-5593121-$ or US-5584423-$).did. or (US-6438808-$ or US-D927956-$ or US-9233742-$ or US-6038742-$ or US-5839173-$ or US-5622296-$ or US-7261264-$ or US-10568393-$ or US-8544805-$ or US-9683696-$ or US-7077372-$ or US-10835060-$ or US-9765806-$ or US-8011071-$ or US-5054170-$ or US-D700502-$ or US-D438536-$ or US-5577303-$ or US-4613135-$ or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:41

S266	457	Y10T16/5357.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:45
S267	104	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$ or US-20180127007-$ or US-20150102191-$ or US-20080105803-$ or US-20020170933-$ or US-20100071168-$ or US-20060246963-$ or US-20050092801-$ or US-20100176261-$ or US-20050103959-$ or US-20050015928-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$ or US-8448829-$ or US-10487978-$ or US-8020821-$ or US-9404615-$ or US-5957421-$ or US-8499986-$ or US-6824028-$ or US-10683963-$ or US-7032791-$ or US-5850996-$ or US-11047644-$ or US-10222172-$ or US-6371424-$ or US-5730342-$ or US-10124848-$ or US-5850954-$ or US-8613564-$ or US-9101198-$ or US-8919622-$ or US-6098858-$ or US-5593121-$ or US-5584423-$).did. or (US-6438808-$ or US-D927956-$ or US-9233742-$ or US-6038742-$ or US-5839173-$ or US-5622296-$ or US-7261264-$ or US-10568393-$ or US-8544805-$ or US-9683696-$ or US-7077372-$ or US-10835060-$ or US-9765806-$ or US-8011071-$ or US-5054170-$ or US-D700502-$ or US-D438536-$ or US-5577303-$ or US-4613135-$ or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:20
S268	2	(("3935613") or ("5664292")).PN.	US-PGPUB;	OR	OFF	2021/09/26 20:20

			USPAT; USOCR			
S269	24	(US-20190225371-$ or US-20180127007-$ or US-20100176261-$ or US-20050015928-$).did. or (US-5664292-$ or US-3935613-$ or US-D898320-$ or US-10222172-$ or US-7090085-$ or US-7077372-$ or US-6371424-$ or US-6098858-$ or US-5957421-$ or US-5850996-$ or US-5622296-$ or US-5356105-$ or US-5356038-$ or US-4929973-$ or US-4817237-$ or US-2124541-$ or US-1081378-$ or US-0495537-$).did. or (US-3423786-$ or US-2939613-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:25
S270	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:25

		US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-				

		0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S271	16	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25

S272	7	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25
S273	430	(US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ 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-$ 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-$).did. or (US-20170138382-$ 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-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-20110220531-$).did. or (US-20110181008-$ 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-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-$).did. or (US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:26

		20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D871013-$ or US-10434638-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-D806483-$).did. or (US-D803631-$ or US-9750543-$ or US-9725209-$ or US-9701443-$ or US-9643629-$ or US-D784089-$ or US-9616562-$ or US-9566990-$ or US-D777426-$ or US-9511491-$ or US-9506489-$ or US-D753396-$ or US-9132543-$ 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-D661858-$).did. or (US-8191910-$ or US-8177463-$ or US-8132819-$ or US-D649350-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-D536580-$ or US-7147243-$ or US-D527225-$ 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-$).did. or (US-6371320-$ or US-6367631-$ or US-6347847-$ or US-6305498-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5951037-$ or US-5797617-$ 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-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$ or US-D325324-$ or US-5098235-$).did. or (US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$).did. or (US-0254946-$ or US-0243925-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$).did. or (US-0166352-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$).did. or (US-0121056-$ 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-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-$).did. or (US-0026901-$ or US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$).did. or (US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-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-0239808-$ or US-0236482-$).did. or (US-0225371-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-0161975-$).did. or (US-0161518-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$ or US-0115312-$).did. or (US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-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-$ or US-0024468-$ or US-0023349-$ or US-0006770-$).did. or (US-0002004-$ or US-0000440-$).did.				
S274	22	S269 not (S270 S271 S273)	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:27
S275	7	(US-0076261-$ | US-11008136-$ | US-20060076261-$ | US-6082687-$ | US-7172164-$ | US-7837165-$).DID.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:32
S276	42	(US-0001482-$ | US-0025706-$ | US-0060953-$ | US-0094392-$ | US-0151427-$ | US-0155373-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-10933501-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-20030094392-$ | US-20080060953-$ | US-20150151427-$ | US-20150310842-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-	US-PGPUB; USPAT; USOCR	OR	ON	2022/01/29 23:18

		20210267368-$ | US-3424334-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.				
S277	570	220/4.27.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S278	442	B65D21/0223.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S279	2,373	A45C5/14.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S280	111	A45C7/005.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S281	3,616	A45C13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S282	476	A45F3/10.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S283	993	B25H1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S284	1,281	B25H3/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S285	223	B25H3/021.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S286	1,197	B62B1/14.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S287	826	B65D21/0209,0228.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59

S288	408	A45C7/0045.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S289	493	B25H3/023.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S290	1,065	B62B5/067.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S291	59	B65D2255/00.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S292	222	B65H2701/533.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S293	1,280	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	USPAT	OR	ON	2022/02/01 22:00
S294	100	((("Brunner") near3 ("Yaron"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S295	90	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S296	124	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S297	214	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S298	42	("10088148" | "10106180" | "10144124" | "10663124" | "10663150" | "20020179472" | "20050232747" | "20100085745" | "20100220486" | "20130048631" | "20130051080" | "20130058711" | "20130134276" | "20130155657" | "20130186795" | "20140332423" | "20150078811" | "20170151972" | "20170257958" | "20180231238" |	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:10

		"20190113464" | "4976450" | "5685421" | "5779350" | "5879072" | "6223899" | "6267240" | "6981780" | "7252404" | "7470036" | "7484858" | "8567796" | "8936258" | "9132543" | "9221169" | "9381639" | "9381640" | "9492919" | "9566704" | "9566990" | "9643629").PN. OR ("10962218").URPN.				
S299	187	("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" | "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" |	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:12

		"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.				
S300	118	("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	2022/02/01 22:15
S301	62	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:17
S302	35	("0495537" | "0541864" | "4632348" | "4679709" | "4948085" | "5035389" | "5060898" | "5226625").PN. OR ("5356105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:18
S303	21	("1840138" | "1894146" | "2897928" | "2939613" | "3389883").PN. OR ("4132380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:20

S304	13	("2897928").URPN.	USPAT	OR	ON	2022/02/01 22:21
S305	8	(("1069693") or ("1246749") or ("2369336") or ("2454681")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2022/02/01 22:22
S306	29	("4631783" | "4634005" | "5044591" | "5082111" | "5762211" | "5816401" | "5906350" | "5967340" | "5988381" | "5996817").PN. OR ("6202865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:49
S307	26	("20110011813" | "20110187248" | "20110192810" | "2965235" | "3154281" | "3809799" | "4391376" | "4405108" | "4441619" | "4781608" | "4852747" | "5109992" | "5165629" | "6202865" | "7198158" | "7424958" | "7523832" | "7861871" | "7882965" | "7931159" | "7950534" | "9757853").PN. OR ("10875173").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:50
S308	2,440	B25H3/04,003.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:51
S309	5,532	F16M13/022.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:52
S311	1,552	211/70.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 13:02
S312	7,213	method adj3 painting	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 13:13
S313	18	("4637329" | "6116173" | "6192814").PN. OR ("6409030").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 13:28
S314	32	("2035639" | "3210091" | "3298532" | "3342343" | "3780874" | "4475660" | "4947998" | "5704496").PN. OR ("5881891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 13:38
S315	52	("0944312" | "2371433" | "2762595" | "3269550" | "3452954" | "3581929" | "4049126" | "4199070").PN. OR ("4410095").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 16:58

S316	3	("2021/0039831").URPN.	USPAT	OR	ON	2022/02/02 16:59
S317	29	("4631783" | "4634005" | "5044591" | "5082111" | "5762211" | "5816401" | "5906350" | "5967340" | "5988381" | "5996817").PN. OR ("6202865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/02 17:07
S318	33	("0939125" | "1517309" | "1766230" | "3779539" | "4157819" | "4170345" | "4199135" | "4278243" | "4415149").PN. OR ("4555099").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/07 21:53
S319	0	("2021/0104914").URPN.	USPAT	OR	ON	2022/02/07 21:57
S320	8	("2020/0346819").URPN.	USPAT	OR	ON	2022/02/07 21:58
S343	31	(US-20100176261-$ or US-20050015928-$ or US-20170166352-$ or US-20210094600-$ or US-20210039831-$ or US-20120292213-$ or US-20170165828-$).did. or (US-5664292-$ or US-D898320-$ or US-10222172-$ or US-7090085-$ or US-7077372-$ or US-6098858-$ or US-5850996-$ or US-5622296-$ or US-5356105-$ or US-5356038-$ or US-2124541-$ or US-1081378-$ or US-0495537-$ or US-D923935-$ or US-D936030-$ or US-D920671-$ or US-D917977-$ or US-6637707-$ or US-5035389-$ or US-4132380-$ or US-D932186-$).did. or (US-3423786-$ or US-2939613-$ or US-2897928-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:00
S344	50	("5628443" | "2939613" | "4929973" | "6098858" | "10222172" | "5890613" | "5957421" | "0495537" | "20050015928" | "3935613" | "5850996" | "7077372" | "10758065" | "5433416" | "3423786" | "4817237" | "6371424" | "5282554" | "5653366" | "20190225371" | "20100176261" | "5664292" | "7090085" | "20080296443" | "20190168376" | "3514170" | "3743372" | "5356038" | "D898320" | "20050242144" | "4805859" | "20170138382" | "20180290288" | "6637707" | "D753982" | "1081378" | "20180127007" | "2124541" | "5356105" | "20090127146" | "20120074158" | "5775046" | "8448829" | "D898320" | "5622296").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:01
S345	42	(US-20210267368-$ or US-20210187725-$ or US-20210155373-$ or US-20210025706-$ or US-20190001482-$ or US-20180213934-$ or US-20150310842-$ or US-20150151427-$ or US-20080060953-$ or US-20030094392-$).did. or (US-11059631-$ or US-D923935-$ or US-D917977-$ or US-10981696-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:01

		10962218-$ or US-10933501-$ or US-9888752-$ or US-9551367-$ or US-8851282-$ or US-7152752-$ or US-3424334-$ or US-0310842-$ or US-0267368-$ or US-0213934-$ or US-0187725-$ or US-0155373-$ or US-0151427-$ or US-0094392-$ or US-0060953-$ or US-0025706-$ or US-0001482-$).did. or (US-3424334-$ or US-0310842-$ or US-0267368-$ or US-0213934-$ or US-0187725-$ or US-0155373-$ or US-0151427-$ or US-0094392-$ or US-0060953-$ or US-0025706-$ or US-0001482-$).did.				
S346	430	(US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ 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-$ 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-$).did. or (US-20170138382-$ 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-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-20110220531-$).did. or (US-20110181008-$ 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-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:02

		US-20070068757-$).did. or (US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ 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-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D871013-$ or US-10434638-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-D806483-$).did. or (US-D803631-$ or US-9750543-$ or US-9725209-$ or US-9701443-$ or US-9643629-$ or US-D784089-$ or US-9616562-$ or US-9566990-$ or US-D777426-$ or US-9511491-$ or US-9506489-$ or US-D753396-$ or US-9132543-$ 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-D661858-$).did. or (US-8191910-$ or US-8177463-$ or US-8132819-$ or US-D649350-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-D536580-$ or US-7147243-$ or US-D527225-$ 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-$).did. or (US-6371320-$ or US-6367631-$ or US-6347847-$ or US-6305498-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5951037-$ or US-5797617-$ 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-D340167-				

		$ or US-5240264-$ or US-D326815-$ or US-5105947-$ or US-D325324-$ or US-5098235-$).did. or (US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$).did. or (US-0254946-$ or US-0243925-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$).did. or (US-0166352-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$).did. or (US-0121056-$ 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-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-$).did. or (US-0026901-$ or US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$).did. or (US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-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-0239808-$ or US-0236482-$).did. or (US-0225371-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-0161975-$).did. or (US-0161518-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$ or US-0115312-$).did. or (US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-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-$ or US-0024468-$ or US-0023349-$ or US-0006770-$).did. or (US-0002004-$ or US-0000440-$).did.				
S347	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:02

		US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-				

		$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
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S350	24	(US-0006542-$ | US-0149754-$ | US-0165482-$ | US-0280523-$ | US-2386343-$ | US-20040149754-$ | US-20060165482-$ | US-20070006542-$ | US-20080280523-$ | US-3552817-$ | US-3851936-$ | US-4564732-$ | US-4660725-$ | US-5154291-$ | US-5454634-$ | US-6371321-$ | US-7350648-$ | US-8894160-$).DID.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:41

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S321	1,162	B65D21/0223,0209,0228.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
S322	2,308	A45C5/14.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
S323	107	A45C7/005.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26

S324	3,269	A45C13/02.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
S325	445	A45F3/10.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
S326	907	B25H1/04.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
S328	923	B62B1/14.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
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S330	397	A45C7/0045.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
S331	1,647	B25H3/02,021,023.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
S332	1,029	B62B5/067.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
S333	59	B65D2255/00.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
S334	212	B65H2701/533.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:27
S335	2,217	B25H3/04,003.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:28
S336	1,303	211/70.6.ccls.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:28
S337	253	16/30.ccls.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:28
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S339	459	220/4.27.ccls.	US-PGPUB; USPAT	OR	OFF	2022/02/08 21:29

S340	25	("2680000" | "3608127" | "3685852" | "3935613" | "3987875" | "4422212" | "4589530" | "4817237").PN. OR ("5428866").URPN.	US-PGPUB; USPAT	OR	ON	2022/02/08 22:09
S341	102	("2907137" | "5301822" | "5409560" | "5512165" | "8336709" | "9205553" | "8118162" | "6811127" | "20060065557" | "20060070900" | "4286952" | "6516948" | "20060234846" | "8505720" | "20150202767" | "2371433" | "4621738" | "5669516" | "4406368" | "6595735" | "20150328768" | "20040140356" | "6932223" | "7322470" | "10279467" | "10335664" | "20150251310" | "20150252827" | "5080230" | "5544396" | "6719155" | "20040238466" | "5551320" | "5695165" | "8181780" | "9962827" | "20050221664" | "6237767" | "10213913" | "20180361564" | "6827275" | "10842264" | "20160214254" | "20180353830" | "7424958" | "5660276" | "5743394" | "6098799" | "7246704" | "7286059" | "20060091986" | "20090166305" | "20090255891" | "5217115" | "6073766" | "20040140362" | "20160016306" | "20180361563" | "20180137789" | "10052754" | "10625411" | "20150122750" | "20180326573" | "2066851" | "5320223" | "7735645" | "20180104812" | "5398823" | "5520285" | "5551795" | "5979675" | "7905354" | "20090101532" | "20140083886" | "6415922" | "5760668" | "20150273683" | "8739453" | "2619829" | "6390298" | "20060082466" | "6637082" | "5313181" | "5407063" | "5542320" | "5855285" | "7510092" | "20180232577" | "10625411" | "20040256335" | "20200122315" | "6109569" | "6405864" | "10675750" | "20170190046" | "4928821" | "7185770" | "20070144986" | "6868967" | "5378184" | "20050258059" | "20170341218" | "6047824").PN.	US-PGPUB; USPAT	OR	ON	2022/02/08 22:14
S342	9	("7696721" | "20090072029" | "20080303904" | "D592423" | "20110233096" | "20070274042" | "20110006729" | "5909357" | "9829953").PN.	US-PGPUB; USPAT	OR	ON	2022/02/08 22:17
S351	29	"Term Removed" or "Term Removed"	US-PGPUB; USPAT	OR	ON	2022/02/08 23:00

6/7/2022 6:30:29 PM
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Bibliographic Data

Application No: 17/064,371

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.
10/06/2020	220	3736	066749-2792
RULE			

APPLICANTS

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Christopher S. Hoppe, Cedarburg, WI, UNITED STATES

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CONTINUING DATA

This application 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

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Date Submitted: May 19, 2022

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R
Attorney Docket Number	066749-2792

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	11,066,089	07-20-2021	Brunner	
	A2	11,155,382	10-26-2021	Cai	
	A3	11,230,410	01-25-2022	Brunner	
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	A5	2002/0030425	03-14-2002	Tiramani et al.	
	A6	2003/0075468	04-24-2003	Story et al.	
	A7	2007/0273114	11-29-2007	Katz	
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	A12	2016/0213115	07-28-2016	Gonitianer et al.	
	A13	2017/0158216	06-08-2017	Yahav et al.	
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	A15	2021/0104909	04-08-2021	Mantych	
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	A19	D649,783	12-06-2011	Brunner	
	A20	D876,833	03-03-2020	Brunner et al.	
	A21	D897,103	09-29-2020	Brunner et al.	
	A22	D918,584	05-11-2021	Brunner et al.	
	A23	D919,296	05-18-2021	Brunner et al.	
	A24	D941,020	01-18-2022	Brunner et al.	
/G.R.W/	A25	RE47,022	09-04-2018	Sosnovsky 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

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	06/07/2022

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: May 19, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	2	of	2	Attorney Docket Number	066749-2792

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Application Document	Filing Date of Cited Document	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant

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 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	06/07/2022

*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.

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. 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	17064371	Filing Date	2020-10-06	Docket Number (if applicable)	066749-2792	Art Unit	3736
First Named Inventor	Yaron Brunner			Examiner Name	WEINERTH, GIDEON R		

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 (07-09)
Approved for use through 07/31/2012. 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)	2022-05-19
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.

Electronic Patent Application Fee Transmittal

Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Attorney Docket Number:	066749-2792

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	2000	2000
		Total in USD ($)		**2000**

Electronic Acknowledgement Receipt	
EFS ID:	45753114
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	19-MAY-2022
Filing Date:	06-OCT-2020
Time Stamp:	16:22:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$2000
RAM confirmation Number	E20225IG23192760
Deposit Account	180882
Authorized User	Sarah Sesterhenn-Lee
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	066749-2792-IDS_Transmittal.pdf	86910 a13fcc325ce77e293cb169a267e987f5f10adc45	no	2
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	066749-2792-SB08.pdf	123409 123b6d401799e927c8f3e237121e3037ce30858c	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Request for Continued Examination (RCE)	066749-2792-RCE.pdf	81819 2e83ab419f77708d8e6b0e86cf3d67cb06af5ed2	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	38131 7a364e04134c983c659841e916d27596b4d0f194	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	330269		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R
Art Unit:	3736
Confirmation Number:	4794

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. 2004 - Page 153
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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 May 19, 2022

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. 2004 - Page 154
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: May 19, 2022

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R
Attorney Docket Number	066749-2792

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	11,066,089	07-20-2021	Brunner	
	A2	11,155,382	10-26-2021	Cai	
	A3	11,230,410	01-25-2022	Brunner	
	A4	11,283,117	03-22-2022	Polakowski et al.	
	A5	2002/0030425	03-14-2002	Tiramani et al.	
	A6	2003/0075468	04-24-2003	Story et al.	
	A7	2007/0273114	11-29-2007	Katz	
	A8	2009/0288970	11-26-2009	Katz et al.	
	A9	2012/0073995	03-2012	Parker	
	A10	2014/0062042	03-06-2014	Wagner et al.	
	A11	2014/0197059	07-17-2014	Evans et al.	
	A12	2016/0213115	07-28-2016	Gonitianer et al.	
	A13	2017/0158216	06-08-2017	Yahav et al.	
	A14	2020/0078929	03-12-2020	Liu	
	A15	2021/0104909	04-08-2021	Mantych	
	A16	2021/0221561	07-22-2021	Davidian et al.	
	A17	2021/0316909	10-14-2021	Vargo et al.	
	A18	D437,484	02-13-2001	Tiramani et al.	
	A19	D649,783	12-06-2011	Brunner	
	A20	D876,833	03-03-2020	Brunner et al.	
	A21	D897,103	09-29-2020	Brunner et al.	
	A22	D918,584	05-11-2021	Brunner et al.	
	A23	D919,296	05-18-2021	Brunner et al.	
	A24	D941,020	01-18-2022	Brunner et al.	
	A25	RE47,022	09-04-2018	Sosnovsky 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

Examiner Signature		Date Considered	

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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**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: May 19, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	2	of	2	Attorney Docket Number	066749-2792

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Application Document	Filing Date of Cited Document	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant

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 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.

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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.

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 02/25/2022

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: 02/25/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	05/25/2022

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. 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)

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 157
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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 including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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

142078 7590 02/25/2022
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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

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	05/25/2022

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) ❑Advance Order - # of Copies _____

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

❑ Electronic Payment via 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

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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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.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

142078 7590 02/25/2022

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MILWAUKEE, WI 53202

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

DATE MAILED: 02/25/2022

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)

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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. 17/064,371	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 12/22/2021.
   ☐ 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 9,13-14,21,23 and 25-26 . 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 12/22/2021, 2/18/2021, 2/7/2022.
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

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: The Amended Claims of 12/22/2021 recites a novel arrangement of a panel with mounting apertures and previously examined male/female couplers and a single latch recess in the front of the panel as shown in Figure 18A.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to 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

Notice of References Cited	Application/Control No. 17/064,371	Applicant(s)/Patent Under Reexamination Brunner et al.	
	Examiner GIDEON R WEINERTH	Art Unit 3736	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-5035389-A	07-1991	Wang; Shu-San	F16M11/041	248/225.11
*	B	US-20210039831-A1	02-2021	BRUNNER; Yaron	B65D25/20	1/1
*	C	US-20210094600-A1	04-2021	BRUNNER; Yaron	B62B5/0433	1/1
*	D	US-D920671-S	06-2021	Brunner; Yaron		D3/294
*	E	US-D932186-S	10-2021	Brunner; Yaron		D3/294
*	F	US-D936030-S	11-2021	Lee; Timothy Tin Pak	F16M11/041	D14/188
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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	17/064,371	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)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	08 February 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220208

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 165
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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	**Art Unit**
	GIDEON R WEINERTH	3736

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

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
220	4.27

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					
211	70.6					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	08 February 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

U.S. Patent and Trademark Office — Part of Paper No.: 20220208

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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										
	2		11		20										
	3		12	4	21										
	4	2	13		22										
	5	3	14	5	23										
	6		15		24										
	7		16	6	25										
	8		17	7	26										
1	9		18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/GIDEON R WEINERTH/ Examiner, Art Unit 3736	08 February 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	9	18A

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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	11/26/2020	09/26/2021	02/08/2022						
	1	N	N	N						
	2	N	N	N						
	3	N	N	N						
	4	N	N	N						
	5	N	N	N						
	6	N	N	N						
	7	N	N	N						
	8	N	N	N						
	9	✓	✓	=						
	10	✓	-	-						
	11	✓	-	-						
	12	✓	-	-						
	13	✓	✓	=						
	14	✓	✓	=						
	15	N	-	-						
	16	N	-	-						
	17	N	-	-						
	18	N	-	-						
	19	N	-	-						
	20	N	-	-						
	21		✓	=						
	22		-	-						
	23		✓	=						
	24		✓	-						
	25		✓	=						
	26			=						

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	11/25/2020	GW
A45C7/005,0045	11/25/2020	GW
A45C13/02	11/25/2020	GW
A45F3/10	11/25/2020	GW
B25H1/$,04,14,	11/25/2020	GW
B25H3/$,02,021,023,	11/25/2020	GW
B25H5/$	11/25/2020	GW
B65H2701/533	11/25/2020	GW
B65D21/0223,0209,0228	11/25/2020	GW
B65D2255/00	11/25/2020	GW
Update search	03/05/2021	GW
A45C5/143	09/24/2021	GW
B60B33/0002	09/24/2021	GW
B62B5/0083	09/24/2021	GW
B62B2202/24,10	09/24/2021	GW
F16M13/02	09/24/2021	GW
F16M2200/028	09/24/2021	GW
G06F1/18	09/24/2021	GW
Y10S248/917	09/24/2021	GW
Y10T16/191,5357	09/24/2021	GW
A45C5/14	02/01/2022	GW
A45C7/005,0045	02/01/2022	GW
A45C13/02	02/01/2022	GW
A45F3/10	02/01/2022	GW
B65D21/0223	02/01/2022	GW
B25H1/04	02/01/2022	GW

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

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B25H3/02,021,023,04,003	02/01/2022	GW
B62B1/14	02/01/2022	GW
B62B5/067	02/01/2022	GW
B65D21/0209,0228	02/01/2022	GW
B65D2255/00	02/01/2022	GW
B65H2701/533	02/01/2022	GW
F16M13/022	02/01/2022	GW

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

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
224	583,645,629,665	11/25/2020	GW
150	113	11/25/2020	GW
190	110	11/25/2020	GW
220	4.27	11/25/2020	GW
190	18A	09/26/2021	GW
16	30,29,257	09/26/2021	GW
248	222.11,223.41,222.13,187.1,223.41,177.1,187.1	09/26/2021	GW
396	419	09/26/2021	GW
	Update search	09/26/2021	GW
220	4.27	02/02/2022	GW
211	70.6	02/02/2022	GW

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

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

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 170
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

Search Notes		
Search Notes	**Date**	**Examiner**
Search Inventors, cross reference with other co-pending applications	02/08/2022	GW

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
220	4.27	02/08/2022	GW
211	70.6	02/08/2022	GW
16	30	02/08/2022	GW
248	177.1,187.1	02/08/2022	GW
A45C5	14	02/08/2022	GW
A45C7	005,0045	02/08/2022	GW
A45C13	02	02/08/2022	GW
A45F3	10	02/08/2022	GW
B65D21	0223,0209,0228	02/08/2022	GW
B25H1	04	02/08/2022	GW
B62B1	14	02/08/2022	GW
B25H3	02,021,023,04,003	02/08/2022	GW
B62B5	067	02/08/2022	GW
B65D2255	00	02/08/2022	GW
B65H2701	533	02/08/2022	GW

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Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 171
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Bibliographic Data

Application No: 17/064,371

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.
10/06/2020	220	3736	066749-2792
RULE			

APPLICANTS

Milwaukee Electric Tool Corporation, Brookfield, WI,

INVENTORS

Yaron Brunner, Kibbutz Gvat, ISRAEL

Grant T. Squiers, Cudahy, WI, UNITED STATES

Christopher S. Hoppe, Cedarburg, WI, UNITED STATES

Steven W. Hyma, Milwaukee, WI, UNITED STATES

CONTINUING DATA

This application 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**

10/15/2020

STATE OR COUNTRY

ISRAEL

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Reinhart (Milwaukee Tool)
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1000 NORTH WATER STREET
SUITE 2100

MILWAUKEE, WI 53202
UNITED STATES

FILING FEE RECEIVED

$6,640

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: February 18, 2021				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	1	of	1	Attorney Docket Number	066749-2792

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	2012/0074022	03-29-2012	McTavish et al.	
/G.R.W/	A2	9,850,029	12-26-2017	Brunner	

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]

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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	02/08/2022

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: December 22, 2021

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	3,424,334	01-28-1969	Goltz	
	A2	7,152,752	12-26-2006	Kurtenbach	
	A3	8,851,282	10-07-2014	Brunner	
	A4	9,551,367	01-24-2017	Shieh	
	A5	9,888,752	02-13-2018	Den Boer et al.	
	A6	10,962,218	03-30-2021	Plato et al.	
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	A9	11,059,631	07-13-2021	Brunner et al.	
	A10	2003/0094392	05-22-2003	Meier et al.	
	A11	2008/0060953	03-13-2008	Ghassan	
	A12	2015/0151427	06-04-2015	Ben-Gigi	
	A13	2015/0310842	10-29-2015	Coburn et al.	
	A14	2018/0213934	08-02-2018	Wolle et al.	
	A15	2019/0001482	01-03-2019	Wolle et al.	
	A16	2021/0025706	01-28-2021	Millane	
	A17	2021/0155373	05-27-2021	Cai	
	A18	2021/0187725	06-24-2021	Brunner	
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	A20	D917,977	05-04-2021	Brunner et al.	
	A21	D923,935	07-06-2021	Brunner et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	01/29/2022

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: December 22, 2021				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	2	of	2	Attorney Docket Number	066749-2792

		Country Code[3]-Number[4]-Kind Code[5] (*if known*)			Passages or Relevant Figures Appear	

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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	01/29/2022

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: February 7, 2022

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Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	2,386,343	10-09-1945	Regenhardt	
	A2	3,552,817	01-05-1971	Marcolongo	
	A3	3,567,298	03-02-1971	Ambaum et al.	
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	A6	4,660,725	04-28-1987	Fishman et al.	
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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

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NON PATENT LITERATURE DOCUMENTS

Examiner Signature	/GIDEON R WEINERTH/	Date Considered	02/08/2022

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				Filing Date	October 6, 2020
Date Submitted: February 7, 2022				**First Named Inventor**	Yaron Brunner
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(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	2	of	2	Attorney Docket Number	066749-2792

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	31	(US-20100176261-$ or US-20050015928-$ or US-20170166352-$ or US-20210094600-$ or US-20210039831-$ or US-20120292213-$ or US-20170165828-$).did. or (US-5664292-$ or US-D898320-$ or US-10222172-$ or US-7090085-$ or US-7077372-$ or US-6098858-$ or US-5850996-$ or US-5622296-$ or US-5356105-$ or US-5356038-$ or US-2124541-$ or US-1081378-$ or US-0495537-$ or US-D923935-$ or US-D936030-$ or US-D920671-$ or US-D917977-$ or US-6637707-$ or US-5035389-$ or US-4132380-$ or US-D932186-$).did. or (US-3423786-$ or US-2939613-$ or US-2897928-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:00
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L4	42	(US-20210267368-$ or US-20210187725-$ or US-20210155373-$ or US-20210025706-$ or US-20190001482-$ or US-20180213934-$ or US-20150310842-$ or US-20150151427-$ or US-20080060953-$ or US-20030094392-$).did. or (US-11059631-$ or US-D923935-$ or US-D917977-$ or US-10981696-$ or US-10962218-$ or US-10933501-$ or US-9888752-$ or US-9551367-$ or US-8851282-$ or US-7152752-$ or US-3424334-$ or US-0310842-$ or US-0267368-$ or US-0213934-$ or US-0187725-$ or US-0155373-$ or US-0151427-$ or US-0094392-$ or US-0060953-$ or US-0025706-$ or US-0001482-$).did. or (US-3424334-$ or US-0310842-$ or US-0267368-$ or US-0213934-$ or US-0187725-$	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:01

		or US-0155373-$ or US-0151427-$ or US-0094392-$ or US-0060953-$ or US-0025706-$ or US-0001482-$).did.				
L23	430	(US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ 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-$ 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-$).did. or (US-20170138382-$ 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-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-20110220531-$).did. or (US-20110181008-$ 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-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-$).did. or (US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:02

		20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D871013-$ or US-10434638-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-D806483-$).did. or (US-D803631-$ or US-9750543-$ or US-9725209-$ or US-9701443-$ or US-9643629-$ or US-D784089-$ or US-9616562-$ or US-9566990-$ or US-D777426-$ or US-9511491-$ or US-9506489-$ or US-D753396-$ or US-9132543-$ 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-D661858-$).did. or (US-8191910-$ or US-8177463-$ or US-8132819-$ or US-D649350-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-D536580-$ or US-7147243-$ or US-D527225-$ 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-$).did. or (US-6371320-$ or US-6367631-$ or US-6347847-$ or US-6305498-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5951037-$ or US-5797617-$ 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-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$ or US-D325324-$ or US-5098235-$).did. or (US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$).did. or (US-0254946-$ or US-0243925-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$).did. or (US-0166352-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$).did. or (US-0121056-$ 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-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-$).did. or (US-0026901-$ or US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$).did. or (US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-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-0239808-$ or US-0236482-$).did. or (US-0225371-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-0161975-$).did. or (US-0161518-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$ or US-0115312-$).did. or (US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-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-$ or US-0024468-$ or US-0023349-$ or US-0006770-$).did. or (US-0002004-$ or US-0000440-$).did.				
L42	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:02

		20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or			

		(US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-				

		7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
L43	8	L1 not (L3 L4 L23 L42)	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/08 23:05
S1	1,013	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	USPAT	OR	OFF	2020/11/24 16:18
S2	73	((("Brunner") near3 ("Yaron"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S3	60	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S4	93	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S5	166	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S21	73	(US-0034515-$ | US-0094393-$ | US-0099405-$ | US-0125072-$ | US-0186513-$ | US-0221177-$ | US-0243925-$ | US-0292213-$ | US-0299027-$ | US-10106180-$ | US-10583962-$ | US-20020125072-$ | US-20030094393-$ | US-20120292213-$ | US-20150034515-$ | US-20160221177-$ | US-20180099405-$ | US-20180186513-$ | US-20200243925-$ | US-20200299027-$ | US-3225865-$ | US-4971201-$ | US-5098235-$ | US-6305498-$ | US-9506489-$ | US-9725209-$ | US-D232798-$ | US-D319016-$ | US-D325324-$ | US-D326815-$ | US-D340167-$ | US-D352208-$ | US-D361511-$ | US-D415393-$ | US-D420860-$ | US-D527225-$ | US-D536580-$ | US-D649350-$ | US-D738105-$ | US-D753396-$ | US-D777426-$ | US-D784089-$ | US-D803631-$ | US-D806483-$ | US-D831352-$ | US-D836995-$ |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:22

		US-D839681-$ | US-D845080-$ | US-D845081-$ | US-D857387-$ | US-D873085-$ | US-D880252-$ | US-D880951-$ | US-D883752-$ | US-D887788-$ | US-D888422-$ | US-D888503-$ | US-D891193-$ | US-D891195-$ | US-D891875-$ | US-D892565-$ | US-D895375-$).DID.				
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S32	29	("1100702" | "1255484" | "1715865" | "1808864" | "2433356" | "2668061" | "2712869" | "3071387" | "3118685" | "3403923").PN. OR ("3711110").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:40
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S42	4	B65D71/0088,0092,0096.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:55
S43	10	(("1261155") or ("1498377") or ("1826835") or ("1900980") or ("2400197")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:57
S44	3	("1498377").URPN.	USPAT	OR	OFF	2020/11/24 16:57
S45	0	("2830699").URPN.	USPAT	OR	OFF	2020/11/24 16:58
S46	1,656	(truck) and (tool adj box)	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:58

S47	10	("20030230909" | "20130021453" | "20140117062" | "3688954" | "4420238" | "4465187" | "5018779" | "6152513" | "6886876" | "D374654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:03
S48	127	B25H1/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:05
S49	118	B25H3/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
S50	7	B25H5/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
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S53	14	("2016/0194115").URPN.	USPAT	OR	OFF	2020/11/24 17:10
S54	48	("0263561" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" | "20150353231" | "20160075010" | "20160194115" | "4619363" | "4643494" | "4863222" | "5570784" | "5617953" | "5803254" | "5887715" | "5890613" | "5934466" | "6082539" | "6271320" | "6349827" | "6543613" | "6868967" | "6889838" | "7219969" | "7237673" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:11

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S56	31	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").PN. OR ("7690856").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:15
S57	7	("3201035").URPN.	USPAT	OR	OFF	2020/11/24 17:19
S58	24	(("0577452") or ("0895867") or ("1126977") or ("2199970") or ("2522483") or ("2563094") or ("2703200") or ("2715559") or ("2974808") or ("3030163") or ("3081023") or ("3107012")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:20
S59	42	("2807387" | "3182856" | "4724756" | "5083664" | "5375709" | "5445269").PN. OR ("5934466").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:24
S60	23	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26
S61	26	("3224822" | "3401993" | "3552817" | "3851936" | "3907116" | "4178047" | "4243279" | "4317603" | "4328902" | "4420196" | "5271515" | "5375709" | "5775046" | "6050657").PN. OR ("7350648").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26
S62	151	("1409838" | "20010040080" | "20020074332" | "20020130005" | "20020185350" | "20030034215" | "20030034636" | "20040000457" | "20040004332" | "20040026199" | "20040074725" | "20040163910" | "20040211634" | "20040238303" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:27

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"5630601" | "5749503" | "5803471" |
"5815843" | "5873145" | "5984154" |
"5984327" | "6016893" | "6042127" |
"6047442" | "6141841" | "6179176" |
"6182981" | "6186295" | "6196366" |
"6196560" | "6213266" | "6213267" |
"6237734" | "6260871" | "6279705" |
"6289554" | "6305587" | "6360400" |
"6367602" | "6401888" | "6401890" |
"6409412" | "6454065" | "6471019" |
"6474524").PN. OR ("6484362" | "6530507" |
"6533086" | "6575493" | "6591950" |
"6604617" | "6609271" | "6736073" |
"6769701" | "6832670" | "6880685" |
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"7066311" | "7070190" | "7073694" |
"7093700" | "7097181" | "7097183" |
"7143912" | "7226073" | "7232018" |
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"7318507" | "7328779" | "7350648" |
"7374183" | "7426985" | "7441785" |
"7478803" | "7594569" | "7597341" |
"7780026" | "8607947").PN. OR
("9888752").URPN.

S63	19	("2010/0147642").URPN.	USPAT	OR	OFF	2020/11/24 17:28
S64	172	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617").PN. OR ("5951037" | "5988473" | "6050660" | "6085925" | "6109627" | "6176559" | "6347847" | "6367631" | "6371320" | "6431580" | "6547347" | "6601930" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:29

		"6619772" | "6637707" | "6641013" | "6945546" | "6948691" | "6983946" | "7044484" | "7066475" | "7147243" | "7263742" | "7367571" | "7503569" | "7658887" | "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" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D833744" | "D837515").PN. OR ("D897103").URPN.				
S65	9	("2018/0220758").URPN.	USPAT	OR	OFF	2020/11/24 17:30
S66	24	("20110139665" | "20110155613" | "3410376" | "5544751" | "20150069962" | "4643494" | "8561769" | "6367631" | "1084360" | "8602217" | "6098819" | "3891230" | "6585090" | "8590704" | "3757911" | "6213266" | "20080121547" | "1084360" | "5971119" | "20100224528" | "20140062281" | "20150274362" | "20170318927").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:30
S67	51	("1575270" | "20020170933" | "20030141329" | "20050247653" | "20060237509" | "20080142462" | "20080179370" | "20080185353" | "20090145789" | "20090145866" | "20140075650" | "20170266804" | "2290468" | "2546720" | "2763377" | "2964196" | "3145031" | "3536286" | "4264013" | "4923202" | "4932576" | "5395023" | "5511705" | "5722576" | "5881891" | "5971242" | "6213365" | "6666465" | "6698632" | "6874624" | "7090075" | "7322482" | "7686196" | "7699197" | "7726495" | "7762440" | "8267260" | "8510868" | "9038869" | "D163637" | "D165553" | "D328681").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20
S68	18	("2715966" | "20050247653" | "4771897" | "5429252" | "5740927" | "5845792" | "6152312" | "6267338" | "6435357" | "6564949" | "6698603" | "6871749" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20

		"7014052" | "7028854" | "7117998" | "6581788" | "5915573").PN.				
S69	43	("2754974" | "4693381" | "4771897" | "4869378" | "5224609" | "5472167" | "5524772").PN. OR ("5740927").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:22
S70	17	("20130134193" | "20130269509" | "2783896" | "4776471" | "5078279" | "5438787" | "5740927" | "5762245" | "5791499" | "6546598" | "6572168" | "6626477" | "7047771").PN. OR ("8939335").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:23
S71	71	("2708088" | "3701436" | "3876079" | "4084735" | "4108313" | "4271997" | "4450989" | "4776471").PN. OR ("5078279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:24
S72	58	("0554252" | "1202588" | "1951255" | "20050133473" | "20060113341" | "20060288625" | "20070170129" | "20110168649" | "20120228243" | "2783896" | "2958422" | "2987285" | "4113107" | "4132315" | "4141452" | "4174042" | "4461385" | "4776471" | "4936531" | "4982522" | "4986427" | "5062184" | "5078279" | "5222701" | "5265950" | "5524772" | "5806691" | "5979846" | "6129252" | "6427497" | "6929233" | "6935065" | "6986446" | "7267353" | "7467719" | "7478892" | "7770740" | "8444034" | "D611558").PN. OR ("8678206").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:26
S73	32	("0670870" | "2724881" | "3069538" | "3197830" | "3421187" | "3463436" | "3746294" | "3888440" | "3894707" | "4391376" | "4638966" | "4768741" | "5062184").PN. OR ("5222701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:29
S74	32	("2653686" | "3154281" | "3253084" | "3632071" | "3807675" | "3809799" | "3894706" | "3913876" | "3917202" | "3985275" | "4023758").PN. OR ("4391376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:31
S75	18	("20140259566" | "2384158" | "3226069" | "3633857" | "3894707" | "4391376" | "4524937" | "5098054" | "5105509" | "5487518" | "5906302" | "7261256" | "8413933" | "9127807" | "9303792" | "D343975").PN. OR ("10758065").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:31

S76	39	("2937766" | "3319983" | "4955573" | "5020760" | "5190260").PN. OR ("5487518").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:33
S77	26	("20020125389" | "20040051015" | "20040238702" | "2908471" | "3695569" | "3702591" | "3774788" | "4071216" | "4306702" | "5078279" | "5351842" | "D373719").PN. OR ("8500078").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:41
S78	24	("2651710" | "3403641" | "3526934" | "3756637" | "4199070" | "4460141" | "4819309" | "4953146" | "5058843" | "5794897" | "5941483" | "6079673" | "6357194" | "6783101" | "7007900" | "7484698" | "8342474" | "8500078").PN. OR ("9267624").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:42
S79	53	("20040056156" | "20080296443" | "20090218451" | "20090277524" | "4618114" | "4919372" | "5123547" | "5794897" | "5921509" | "6053456" | "6227502" | "6378811" | "6378813" | "6561466" | "6715247" | "6889944" | "7281356").PN. OR ("8342474").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:43
S80	31	("20050211463" | "3125196" | "3523667" | "3526934" | "3765629" | "3856246" | "4093076" | "4336673" | "4601447" | "4618114" | "4856658" | "5104072" | "5642612" | "5791607" | "5823484" | "5829243" | "5855279" | "6375129" | "6378811" | "6513781" | "6889944" | "7467767" | "7497718" | "7686259" | "7802680" | "7828251" | "8074945" | "8079552").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:44
S81	22	("4410095" | "4770297" | "5351417" | "5484057" | "5595294" | "6047827" | "7395984").PN. OR ("7802680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:45
S82	126	("0136905" | "0177936" | "0327939" | "0342194" | "0543735" | "0570465" | "0632234" | "0687431" | "0724427" | "0754503" | "0764774" | "0888032" | "0914469" | "1653374" | "1848937" | "1936813" | "20040020880" | "20040108734" | "20060022105" | "20070251904" | "20080053931" | "20080169395" | "20080179898" | "20100264102" | "20110042333" | "20120012726" | "20120111814" | "20120152871" | "20120181244" | "20150250333" | "20170127867" | "2141009" | "2273641" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:46

		"2309990" | "2344339" | "2369336" | "2447128" | "2485201" | "2754974" | "2842264" | "2919881" | "3285426" | "3289994" | "3343684" | "3612426" | "4308961" | "4609233" | "4658967" | "4750698" | "4773172" | "4775127" | "4882868" | "4905846" | "4936469" | "5060897" | "5080238" | "5104083" | "5154304" | "5312081" | "5348167" | "5398820" | "5433413" | "5441161" | "5480206" | "5584462" | "5584521" | "5727698" | "5853092" | "5897002" | "5906403" | "6257409" | "6283311" | "6289618" | "6299000" | "6349909" | "6427500" | "6557807" | "6604637" | "6607234" | "6637707" | "6789771" | "6886791" | "6932223" | "6935518" | "7040125" | "7228977" | "7427053" | "7658265" | "7694933" | "7802680" | "8550265" | "9339130" | "D043289" | "D175455" | "D855408").PN. OR ("10729244").URPN.				
S83	20	("0488851" | "1045932" | "20020070136" | "20020104709" | "20050258002" | "5370263" | "5433413" | "5673885" | "5782314" | "5873433" | "5950972" | "7032711" | "7063187").PN. OR ("7658265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:48
S84	8	("20070284191" | "20090127146" | "4653713" | "6138963" | "6401862" | "6997282" | "7540560" | "7658265").PN. OR ("10184292").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:49
S85	76	("1858656" | "2308180" | "2444096" | "2798652" | "3495683" | "3631572" | "3915189" | "4261435" | "4300740" | "4428458" | "4480810").PN. OR ("4653713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:50
S86	51	("1794700" | "20020017430" | "20050258002" | "20070181367" | "20090078504" | "20090179125" | "3477679" | "3915189" | "4176580" | "4653713" | "4858869" | "5035389" | "5240214" | "5259480" | "5358070" | "5370263" | "5433416" | "5503245" | "5547080" | "5573081" | "5584357" | "5622278" | "5740883" | "5782314" | "5899420" | "5924615" | "6401862" | "6412601" | "6443260" | "6467577" | "6827215" | "6837383" | "7032711" | "7270307").PN. OR ("8453796").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:53
S87	42	("4211455" | "4303158" | "4437568" | "4703850" | "4911296" | "4928823" |	US-PGPUB;	OR	OFF	2020/11/24 22:55

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S88	19	("2835503" | "3084463" | "4828120" | "6189248" | "6220461" | "6264220" | "6367752" | "6698701" | "6712324" | "6837383" | "7798336").PN. OR ("8517320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:56
S89	147	("1855314" | "1869901" | "1879332" | "1900868" | "20030106498" | "20030192480" | "20040112258" | "20050072894" | "20050115508" | "20050246989" | "20050279898" | "20060011142" | "20060042549" | "20060196436" | "20070028854" | "20080023479" | "20080179265" | "20080190372" | "20080237434" | "20090001231" | "20100107984" | "20100162961" | "20110049065" | "20110114025" | "20120325158" | "20130334377" | "20140346293" | "20150122185" | "20190053623" | "2555396" | "2845896" | "3099355" | "3260559" | "3630385" | "3669035" | "3698594" | "3776193" | "4044723" | "4065195" | "4205629" | "4261294" | "4329003" | "4498654" | "4532891" | "4587930" | "4699089" | "4798170" | "4843977" | "4919498" | "4976223" | "4986332" | "5000124" | "5054431" | "5144912" | "5152247" | "5226625" | "5435266" | "5501176" | "5718493" | "5730081" | "5802647" | "5855184" | "5870969" | "6098941" | "6131521" | "6161486" | "6189489" | "6199510" | "6209487" | "6308641" | "6382578" | "6394001" | "6409137" | "6427626" | "6516948" | "6526911" | "6705249" | "6729685" | "6901880" | "6945194" | "7077372" | "7124709" | "7261264" | "7284500" | "7314023" | "7341019" | "7395765" | "7513219" | "7530329" | "7614363" | "7665417" | "7748538" | "7802327" | "7837165" | "7938083" | "7963231" | "8146534" | "8148651" | "8245992" | "8308115" | "8342129" | "8381661" | "8443736" | "8517320" | "8671598" | "8672172" | "8684195" | "8776725" | "8807082" | "8833305" | "8893657" | "9284776" | "D209754" | "D209755" | "D213377" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:57

		"D213378").PN. OR ("D216989" | "D229073" | "D357557" | "D358233" | "D375818" | "D421160" | "D424758" | "D424759" | "D491697" | "D506295" | "D622013" | "D657920" | "D662265" | "D676612" | "D695974").PN. OR ("10412929").URPN.				
S90	26	("1900868" | "20030116094" | "20040144330" | "20090015121" | "20130145990" | "2555396" | "2659345" | "2800380" | "2997022" | "3606506" | "3743372" | "4231626" | "4634193" | "5144912" | "5152247" | "5222990" | "5435266" | "7458338" | "8342129").PN. OR ("8893657").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:00
S91	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:03
S92	34	("3514170" | "3552817" | "3743372" | "3999818" | "5046789" | "5454634" | "5704699" | "5775046" | "6003924" | "6015050" | "6027188" | "6050657" | "6488346").PN. OR ("7100999").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:06
S93	102	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" | "5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:09
S94	42	("1520518" | "1870978" | "20040198141" | "3241885" | "3415007" | "3669033" | "3966337" | "4039133" | "4163537" | "4212130" | "4216729" | "4223945" | "4270302" | "4915034" | "5226864" | "5715760" | "5775046" | "5813737" | "5899423" | "5988077" | "6220180" | "6283042" | "6341566" | "6382109" | "8191488" | "D370045").PN. OR ("8316781").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:14
S95	41	("20040226901" | "20070023464" | "2100421" | "2996192" | "3172540" | "3452959" | "3497079" | "3799357" | "4480755" | "4509648" | "4516681" | "4932538" | "5083668" | "5775046" | "5927517" | "5944203" | "6015124" | "6062399" | "6481584" | "6491172" | "6929131" | "6945414").PN. OR ("7798338").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:17
S96	159	("20010047971" | "20030189019" | "2029089" | "3192667" | "3204776" |	US-PGPUB;	OR	OFF	2020/11/24 23:18

		"3310271" | "3469710" | "3698565" | "3733756" | "4223488" | "4229913" | "4323163" | "4420087" | "4438604" | "4450970" | "4572381" | "4579308" | "4589557" | "4591058" | "4593824" | "4598504" | "4602756" | "4607753" | "4615448" | "4629076" | "4638618" | "4674240" | "4677794" | "4805783" | "4805784" | "4809479" | "4811475" | "4825601" | "4826022" | "4891897" | "4932538" | "4944416" | "4961295" | "5138803" | "5142832" | "5185971" | "5228579" | "5241796" | "5337525" | "5360121" | "5375802" | "5412912" | "5429252" | "5477969" | "5484067" | "5547156" | "5582376" | "5655674" | "5671852" | "5697507" | "5740927" | "5791093" | "5819490" | "5857577" | "5899344" | "5941026" | "5944203" | "6050426" | "6068135" | "6116435" | "6119784" | "6119878" | "6123154" | "6134846" | "6164467" | "6199705" | "6209730" | "6276034" | "6299001" | "6311854" | "6325223" | "6349507" | "6363645" | "6591996").PN. OR ("6945414").URPN.	USPAT; USOCR			
S97	20	("20060243766" | "20070094955" | "20100307649" | "20130081233" | "20130193179" | "20140374564" | "2920767" | "3605637" | "4256424" | "4687094" | "4708311" | "5083668" | "5674033" | "6824028" | "6945414" | "7261264" | "7392912" | "8613564").PN. OR ("10683963").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:20
S98	39	("20050072746" | "3200960" | "4094415" | "4509648" | "4826022" | "5109993" | "5154304" | "5316252" | "5484067" | "5595309" | "5927517" | "6068135" | "6070747" | "6481584" | "6491172" | "6536613" | "6561474" | "6575314" | "6644483" | "6675978").PN. OR ("7392912").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:23
S99	54	("1787734" | "2997270" | "3229944" | "3278146" | "4204602" | "4909464" | "5056668" | "5069416" | "Re33596").PN. OR ("5316252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:25
S100	9	("2997270").URPN.	USPAT	OR	OFF	2020/11/24 23:27
S101	61	("0511617" | "1890000" | "2492697" | "2557630" | "2807387" | "3203744" | "3283915" | "3514170" | "3743372" |	US-PGPUB;	OR	OFF	2020/11/25 00:00

		"3758181" | "3918781" | "3999818" | "4026615" | "4056295" | "4120549").PN. OR ("4243279").URPN.	USPAT; USOCR			
S102	14	("3899229" | "4054344" | "4087145" | "4216857" | "4243279" | "D238401" | "D247794").PN. OR ("D285986").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 00:01
S103	58	("3552817").URPN.	USPAT	OR	OFF	2020/11/25 11:50
S104	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:49
S105	66	("2128854" | "3743372").PN. OR ("4863222").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:50
S106	6	(("0460177") or ("1294446") or ("2568147")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:00
S107	9	("1294446").URPN.	USPAT	OR	OFF	2020/11/25 19:01
S108	61	("0722828" | "2473951" | "2584050" | "4059248" | "4141524" | "4432525" | "4653713" | "4805859" | "4819922" | "4874147" | "4967929" | "4986505" | "5007612" | "5009380").PN. OR ("5240214").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:27
S109	52	("2476134" | "2512934" | "4095364" | "4382733" | "4700923").PN. OR ("4805859").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:29
S110	60	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:31
S111	19	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:34
S112	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:35

S113	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:37
S114	56	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:40
S115	8	("2017/0138382").URPN.	USPAT	OR	OFF	2020/11/25 19:53
S116	84	("2461526" | "3078484" | "3114486" | "3233803" | "3749294" | "3902640" | "3915189" | "4082208" | "4287997" | "4307826" | "4366922" | "4424841" | "4491258" | "4545414" | "4673070" | "4790432" | "4813542" | "4884731" | "5131576" | "5184763" | "5321904" | "5419473").PN. OR ("5628443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:58
S117	67	("3194426" | "3642337" | "4192562" | "4893719" | "5263576" | "5299688" | "5310071").PN. OR ("5890613").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:23
S118	609	224/583,645,629,665.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S119	301	150/113.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S120	552	190/110.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S121	14	("2009/0145866").URPN.	USPAT	OR	OFF	2020/11/25 22:27
S122	12	("20110139777" | "5301829" | "5427265" | "8602217").PN. OR ("9701443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 22:30
S123	17	("4181349" | "4188058" | "4911493" | "5131709" | "5137322" | "5154478" | "5421634" | "5722711" | "D271009").PN. OR ("6017075").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:10

S124	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ or US-D892565-$ or US-D891875-$ or US-D891195-$ or US-D891193-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:22

		$ or US-D888503-$ or US-D888422-$ or US-D887788-$ or US-D883752-$ or US-D880951-$ or US-D880252-$ or US-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or			

		(US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$				

		or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S125	1,179	B25H3/02.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S126	570	220/4.27.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S127	1,079	B65D21/0223,0209,0228.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S128	2,226	A45C5/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S129	91	A45C7/005.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S130	3,366	A45C13/02.cpc.	US-PGPUB;	OR	OFF	2020/11/25 23:23

			USPAT; USOCR			
S131	431	A45F3/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S132	935	B25H1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S133	199	B25H3/021.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S134	1,147	B62B1/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S135	377	A45C7/0045.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S136	473	B25H3/023.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S137	959	B62B5/067.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S138	42	B65D2255/00.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S139	206	B65H2701/533.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S140	16	("3187924" | "5743416" | "D582190" | "4848574" | "3563394" | "4126366" | "6206189" | "6786341" | "20050189308" | "5497877" | "4993583" | "3252614" | "3347394").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:46
S141	40	("3000684" | "3002630" | "3542446" | "3734526" | "4222544" | "4240684" | "4429850" | "4457527" | "4458963" | "4509648" | "4653638" | "4681233" | "4706918" | "4744613" | "4880192" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:54

		"5188242" | "5246286" | "5360121" | "5370263" | "7209098" | "D303306").PN. OR ("5437502").URPN.				
S142	26	("3182856").URPN.	USPAT	OR	OFF	2020/11/26 19:24
S143	317	(US-20190225371-$ or US-20180161975-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20190315515-$ or US-20190291922-$ or US-20170318927-$ or US-20160144500-$ or US-20160008972-$ or US-20140062281-$ or US-20180044059-$ or US-20150376917-$ or US-20120152944-$ or US-20110181008-$ or US-20110049824-$ or US-20090236255-$ or US-20040134818-$ or US-20060027475-$ or US-20060012139-$ or US-20120326406-$ or US-20160023349-$ or US-20150241107-$ or US-20140014669-$).did. or (US-20040195793-$ or US-20100219193-$ or US-20040134390-$ or US-20200353612-$ or US-20200238920-$ or US-20200223349-$ or US-20200165036-$ or US-20190381959-$ or US-20160059906-$ or US-20180326572-$ or US-20180312115-$ or US-20030230909-$ or US-20170320209-$ or US-20160256995-$ or US-20160176003-$ or US-20190168376-$ or US-20160194115-$ or US-20160130034-$ or US-20150021322-$ or US-20030094392-$ or US-20110247910-$ or US-20100147642-$ or US-20150274362-$ or US-20150069962-$ or US-20170266804-$ or US-20090145866-$ or US-20050247653-$).did. or (US-20070170129-$ or US-20140259566-$ or US-20080296443-$ or US-20170127867-$ or US-20120111814-$ or US-20080169395-$ or US-20080053931-$ or US-20060022105-$ or US-20040020880-$ or US-20090179125-$ or US-20020017430-$ or US-20190053623-$ or US-20080237434-$ or US-20050279898-$ or US-20050072894-$ or US-20130145990-$ or US-20130193179-$ or US-20100307649-$ or US-20170138382-$ or US-20170121056-$ or US-20140161518-$ or US-20110139665-$ or US-20080104921-$ or US-20050139745-$ or US-20030205877-$ or US-20030184034-$ or US-20050242144-$).did. or (US-20020020729-$ or US-20200243925-$ or US-20170166352-$ or US-20090127146-$ or US-20180127007-$ or US-20180111635-$ or US-20130269844-$ or US-20190000199-$ or US-20120152800-$ or US-20120074158-$ or US-20110073516-$ or US-20180229889-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57

		20170320621-$ or US-20100052276-$).did. or (US-10829269-$ or US-D898320-$ or US-D895966-$ or US-10583962-$ or US-D803560-$ or US-10703534-$ or US-D876833-$ or US-9393684-$ or US-8851282-$ or US-8789699-$ or US-7503569-$ or US-10793172-$ or US-RE47022-$ or US-9050992-$ or US-7367571-$ or US-6170839-$ or US-3711110-$ or US-10071303-$ or US-10843863-$ or US-9500400-$ or US-9522763-$ or US-10093335-$ or US-9409585-$ or US-6095533-$ or US-5599031-$ or US-3376046-$).did. or (US-10044203-$ or US-6193247-$ or US-D349994-$ or US-D333094-$ or US-9802741-$ or US-7537119-$ or US-8851287-$ or US-9994375-$ or US-5100076-$ or US-1498377-$ or US-3557990-$ or US-D374654-$ or US-D882952-$ or US-D880859-$ or US-10603783-$ or US-5609282-$ or US-5423445-$ or US-9725209-$ or US-9469024-$ or US-8979100-$ or US-8590704-$ or US-7690856-$ or US-10829268-$ or US-D873017-$ or US-8540326-$ or US-8322354-$ or US-8262993-$).did. or (US-3201035-$ or US-8490810-$ or US-8342329-$ or US-3081023-$ or US-3030163-$ or US-7322470-$ or US-6082539-$ or US-5934466-$ or US-9132543-$ or US-8590726-$ or US-8210387-$ or US-5375709-$ or US-10723502-$ or US-7350648-$ or US-10219400-$ or US-9888752-$ or US-D897103-$ or US-4643494-$ or US-5740927-$ or US-9975237-$ or US-8939335-$ or US-10137839-$ or US-5078279-$ or US-10709238-$ or US-8678206-$ or US-D817026-$ or US-5524772-$).did. or (US-5222701-$ or US-4391376-$ or US-10758065-$ or US-9303792-$ or US-9127807-$ or US-5906302-$ or US-5487518-$ or US-10206502-$ or US-9828073-$ or US-5996949-$ or US-D343975-$ or US-5586739-$ or US-8500078-$ or US-9267624-$ or US-8342474-$ or US-8074945-$ or US-7802680-$ or US-10729244-$ or US-7658265-$ or US-10450799-$ or US-10184292-$ or US-7540560-$ or US-6401862-$ or US-4653713-$ or US-10500714-$ or US-10365032-$ or US-8453796-$).did. or (US-9850706-$ or US-9714542-$ or US-7270307-$ or US-6837383-$ or US-9596930-$ or US-8517320-$ or US-10412929-$ or US-8893657-$ or US-4634193-$ or US-4231626-$ or US-3743372-$ or US-D714554-$ or US-7866769-$ or US-7100999-$ or US-10286542-$ or US-9526333-$ or US-9510678-$ or US-9185975-$ or US-6050657-$				

		or US-6027188-$ or US-5775046-$ or US-10842264-$ or US-10676874-$ or US-10555605-$ or US-10501929-$ or US-9661944-$ or US-9108764-$).did. or (US-8662120-$ or US-8316781-$ or US-9615671-$ or US-7798338-$ or US-6945414-$ or US-10683963-$ or US-7392912-$ or US-10285515-$ or US-5316252-$ or US-10029275-$ or US-3278146-$ or US-1787734-$ or US-7261264-$ or US-6824028-$ or US-4932538-$ or US-4480755-$ or US-7565746-$ or US-7410289-$ or US-6558222-$ or US-6357194-$ or US-6241248-$ or US-6059631-$ or US-5993283-$ or US-4243279-$ or US-D285986-$ or US-3999818-$ or US-3758181-$).did. or (US-3514170-$ or US-3203744-$ or US-4003172-$ or US-5454634-$ or US-5046789-$ or US-8894160-$ or US-4863222-$ or US-3851936-$ or US-3552817-$ or US-3606506-$ or US-2800380-$ or US-1294446-$ or US-5240214-$ or US-8991639-$ or US-4805859-$ or US-5035389-$ or US-10017134-$ or US-8448829-$ or US-6036071-$ or US-5653366-$ or US-5332183-$ or US-5282554-$ or US-5105958-$ or US-4929973-$ or US-5957421-$ or US-7699197-$ or US-1794700-$).did. or (US-6637707-$ or US-4856658-$ or US-6698632-$ or US-5881891-$ or US-5628443-$ or US-10230077-$ or US-8967379-$ or US-7900757-$ or US-6726075-$ or US-4673070-$ or US-3974898-$ or US-5890613-$ or US-6899346-$ or US-9701443-$ or US-1531542-$ or US-6017075-$ or US-5899544-$ or US-5183307-$ or US-4752095-$ or US-5271515-$ or US-4782619-$ or US-9551367-$ or US-9375835-$ or US-5437502-$ or US-6253948-$ or US-8813960-$).did. or (US-2830699-$ or US-2563094-$ or US-3278146-$ or US-2997270-$ or US-D238401-$ or US-3514170-$ or US-3552817-$ or US-1294446-$ or US-3182856-$).did.				
S144	3	(("5628443") or ("3743372") or ("4805859")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57
S145	39	(US-20200243925-$ or US-20200165036-$ or US-20190225371-$ or US-20190168376-$ or US-20180161975-$ or US-20170266804-$ or US-20170166352-$ or US-20170138382-$ or US-20170121056-$ or US-20160194115-$ or US-20160144500-$ or US-20160130034-$ or US-20140161518-$ or US-20130269844-$ or	US-PGPUB; USPAT	OR	OFF	2020/11/26 22:05

		US-20130193179-$ or US-20120152800-$ or US-20120074158-$ or US-20110139665-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20050139745-$).did. or (US-5628443-$ or US-4805859-$ or US-3743372-$ or US-10758065-$ or US-10017134-$ or US-9132543-$ or US-8448829-$ or US-8316781-$ or US-6726075-$ or US-6698632-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-D343975-$ or US-5282554-$ or US-3514170-$).did.				
S146	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05

		US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$				

		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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S147	24	S145 not S146	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05
S148	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:29
S149	7	("3334953").URPN.	USPAT	OR	ON	2021/03/04 18:30

S150	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:35
S151	19	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707" | "6824114").PN. OR ("7837165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:36
S152	97	("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	2021/03/04 18:38
S153	184	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130154218" | "20130223971" | "20140076759" | "20140161518" | "20140166516" | "20150274362" | "20150376917" | "20160023349" | "20160130034" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:38

		"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.				
S154	8	("2019/0225371").URPN.	USPAT	OR	ON	2021/03/04 19:01
S155	172	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:02

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		"9132543" | "9506489" | "9511491" | "9566990" | "9616562" | "9643629" | "9701443" | "9872562" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D833744" | "D837515").PN. OR ("D897103").URPN.				
S156	8	("2017/0138382").URPN.	USPAT	OR	ON	2021/03/04 19:03
S157	26	("2003/0205877").URPN.	USPAT	OR	ON	2021/03/04 19:05
S158	34	("1787734" | "2174140" | "3543432" | "3622116" | "3802652" | "3870259" | "4088848" | "4157803" | "4176580" | "4468878" | "5014458" | "5063702" | "5086958" | "5321904" | "5463973" | "6637707").PN. OR ("7172164").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:18
S159	16	("7172164" | "7673838" | "D321885" | "D329192" | "D411931" | "D551008" | "D572117" | "D635008").PN. OR ("D753982").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19
S160	34	("0606208" | "10258136" | "1252207" | "20030218110" | "20060186304" | "20060261223" | "20080083865" | "20100090857" | "3529799" | "3622116" | "4176580" | "4620736" | "5026016" | "5425524" | "5433416" | "5806822" | "5833205" | "6082688" | "6142892" | "6457687" | "6481679" | "6779766" | "6811348" | "7273203" | "8011071" | "8096026" | "D329192" | "D753982").PN. OR ("10400949").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19
S161	5	("2006/0186304").URPN.	USPAT	OR	ON	2021/03/04 19:20
S162	86	("20060186304" | "20070039907" | "20080209698" | "20080237282" | "20130168429" | "20130232840" | "3878589" | "3912216" | "4132335" | "4419794" | "4458872" | "5014892" | "5054170" | "5549234" | "5605313" | "5687942" | "5850954" | "6142892" | "6866940" | "7594632" | "8303226" | "8544805" | "9683696" | "D139216" | "D197188" | "D235308" | "D239593" | "D243190" | "D244508" | "D246346" | "D252851" | "D262688" | "D272044" | "D272211" | "D295369" | "D298604" | "D303716" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:20

		"D310479" | "D313740" | "D324991" | "D329192" | "D408267" | "D409079" | "D409663" | "D410032" | "D414207" | "D428058" | "D438536" | "D452081" | "D454591" | "D465147" | "D492187" | "D507959" | "D511088" | "D547637" | "D560221" | "D567740" | "D572117" | "D572122" | "D607711" | "D623046" | "D623507" | "D685991" | "D704035" | "D732929" | "D753982" | "D817152" | "D818801" | "D819428" | "D829079").PN. OR ("D847609").URPN.				
S163	15	("5026016" | "5433416" | "6176641" | "6200062" | "8474768" | "8544805" | "D329192" | "D547637" | "D604149" | "D635008" | "D658972").PN. OR ("D704035").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:22
S164	18	("2793407" | "3090086" | "3547472" | "4014618").PN. OR ("6200062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:23
S165	23	("2793407").URPN.	USPAT	OR	ON	2021/03/04 19:24
S166	8	(("0593330") or ("1182610") or ("1265113") or ("2457002")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/03/04 19:25
S167	43	("1949114" | "2244427").PN. OR ("D329192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:28
S168	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" | "7172164" | "7261264" | "7270309" | "7594823" | "7673838" | "7726706" | "8215605" | "8292521" | "8333353" | "D329192" | "D380219" | "D658972").PN. OR ("8544805").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:30

S169	23	("4098423" | "4216857" | "4561544" | "4612603" | "4627589").PN. OR ("4747570").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:34
S170	49	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20190225371-$ or US-20170138382-$ or US-20070090616-$ or US-20050139745-$ or US-20180290288-$ or US-20060186304-$ or US-20100054724-$ or US-20070170330-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$ or US-6666362-$ or US-7837165-$ or US-6637707-$ or US-D898320-$ or US-7172164-$ or US-D753982-$ or US-10400949-$ or US-D847609-$ or US-D704035-$ or US-D818801-$ or US-D547637-$ or US-6200062-$ or US-2793407-$ or US-10138917-$ or US-4019298-$).did. or (US-3589755-$ or US-5433416-$ or US-D329192-$ or US-5026016-$ or US-9683696-$ or US-8544805-$ or US-8215605-$ or US-7261264-$ or US-4747570-$ or US-D380219-$).did.	US-PGPUB; USPAT	OR	ON	2021/03/08 23:29
S171	17	("10758065" | "20050242144" | "20080296443" | "20090127146" | "20120074158" | "20190168376" | "3514170" | "3743372" | "4805859" | "5282554" | "5628443" | "5653366" | "5775046" | "5890613" | "5957421" | "8448829").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29
S172	33	S170 not S171	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29
S173	76	(US-0014949-$ | US-0025706-$ | US-0029543-$ | US-0031975-$ | US-0039831-$ | US-0069832-$ | US-0080432-$ | US-0094392-$ | US-0123478-$ | US-0139777-$ | US-0151427-$ | US-0152944-$ | US-0223585-$ | US-0224528-$ | US-0229889-$ | US-0346819-$ | US-1084360-$ | US-10603783-$ | US-10703534-$ | US-10750833-$ | US-10793172-$ | US-10829269-$ | US-10933501-$ | US-10981696-$ | US-20030094392-$ | US-20100224528-$ | US-20110139777-$ | US-20120080432-$ | US-20120152944-$ | US-20140069832-$ | US-20140123478-$ | US-20150014949-$ | US-20150151427-$ | US-20180229889-$ | US-20200029543-$ | US-	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:13

		20200223585-$ | US-20200346819-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-3424334-$ | US-3999818-$ | US-4122925-$ | US-4243279-$ | US-4673070-$ | US-5325966-$ | US-5375709-$ | US-5429235-$ | US-6082539-$ | US-6889838-$ | US-7152752-$ | US-7219969-$ | US-7690856-$ | US-8602217-$ | US-8640913-$ | US-8925752-$ | US-D285986-$ | US-D738622-$).DID.				
S174	3	("2018/0229889").URPN.	USPAT	OR	ON	2021/09/24 22:14
S175	1	"20180127007".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:26
S176	24	("2018/0127007").URPN.	USPAT	OR	ON	2021/09/24 22:26
S177	21	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:28
S178	8	("20090256040" | "20140110546" | "20150102191" | "4733330" | "5740995" | "8448829" | "9581416" | "9810911").PN. OR ("10487978").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:28
S179	1	("2015/0102191").URPN.	USPAT	OR	ON	2021/09/24 22:29
S180	45	("1252207" | "20060186290" | "20070097617" | "20070170336" | "20070230102" | "20080105803" | "2174140" | "5730406" | "5833189" | "5850996" | "6173931" | "6315255" | "6371424" | "6431510" | "6702604" | "6758454" | "6877641" | "7261264" | "7334762" | "7455271" | "7499272" | "7673838").PN. OR ("8020821").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:29
S181	5	("2008/0105803").URPN.	USPAT	OR	ON	2021/09/24 22:30
S182	642	G06F1/18.cpc.	USPAT	OR	ON	2021/09/24 22:30
S183	1,229	G06F1/18.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31

S184	9,466	F16M13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S185	1,607	Y10S248/917.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S186	59	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:32
S187	67	("1519380" | "20020170933" | "2543313" | "3261519" | "3370236" | "3743147" | "3878589" | "4419794" | "4479596" | "4598027" | "4676420" | "4718586" | "4754528" | "4819847" | "4858798" | "4929116" | "5014892" | "5016326" | "5025966" | "5054170" | "5201858" | "5213240" | "5230159" | "5253292" | "5480115" | "5528770" | "5577303" | "5584423" | "5597102" | "5622296" | "5664292" | "5730342" | "5850954" | "5850996" | "5898647" | "5957421" | "5995622" | "5996184" | "6098858" | "6141417" | "6176401" | "6283348" | "6364184" | "6443340" | "6722539" | "6824028" | "6955279" | "6955280" | "7070049" | "D443199").PN. OR ("8499986").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:33
S188	32	("20030000976" | "4083481" | "4598027" | "5025966" | "5213240" | "5347693" | "5730342" | "5791019" | "5829102" | "6283348" | "6286737").PN. OR ("6824028").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:34
S189	43	("20010054217" | "20020158096" | "20020170148" | "20030000976" | "20030047575" | "20030141329" | "20030162510" | "20040204169" | "5274885" | "5597102" | "5730342" | "5779115" | "5833100" | "5850954" | "5850996" | "5927580" | "6006969" | "6205222" | "6223788" | "6283348" | "6286737" | "6443340" | "6714767" | "6736136" | "6824028" | "6955279" | "6955280" | "D478418" | "D492108").PN. OR ("7032791").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:36
S190	28	("20020010983" | "20030047575" | "20070056999" | "20070125819" |	US-PGPUB;	OR	ON	2021/09/24 22:37

		"20080277546" | "20080283701" | "4419794" | "5729869" | "5743451" | "5850996" | "6062449" | "6443342" | "6454147" | "6641011" | "6655560" | "6848605" | "6880794" | "7032791" | "7959121" | "RE38035").PN. OR ("9072364").URPN.	USPAT; USOCR			
S191	90	("4419794" | "4897900" | "5014892" | "5054170" | "5375749" | "5584423" | "5597102").PN. OR ("5850996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:38
S192	9	("10165851" | "10222172" | "10271634" | "5850996" | "6098858" | "6286737" | "6786372" | "8613564" | "8919623").PN. OR ("11047644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:39
S193	10	("20080216380" | "20090013580" | "20090293334" | "20100176174" | "5730342" | "5850996" | "6371424" | "7458489" | "8166694").PN. OR ("10222172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:40
S194	108	("3631572" | "4624034" | "5274885" | "5375749" | "5620120" | "5622296").PN. OR ("5730342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:41
S195	9	("20020005421" | "20020158096" | "20030122002" | "20070107169" | "5730342" | "5839173" | "5850954" | "5919623").PN. OR ("10124848").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:46
S196	33	("20020195472" | "20080209698" | "20100071168" | "20110076095" | "20110083353" | "20120030986" | "20120174286" | "5201858" | "5642847" | "5669170" | "5673836" | "5718363" | "5730342" | "5850996" | "5991925" | "6266910" | "6325258" | "6363532" | "6517133" | "6736136" | "6824028" | "7841496" | "8166694" | "D562549" | "D577093").PN. OR ("8613564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:49
S197	6	("2010/0071168").URPN.	USPAT	OR	ON	2021/09/24 22:51
S198	10	("20030042279" | "20060246963" | "20100071168" | "6736136" | "8613564" | "8919622").PN. OR ("9101198").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:52
S199	2	("2006/0246963").URPN.	USPAT	OR	ON	2021/09/24 22:52
S200	32	("20100294816" | "20140027477" | "20140042195" | "3956701" | "4419794" | "5014892" | "5054170" | "5375749" | "5584423" | "5593121" | "5604958" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:54

		"5620120" | "5641102" | "5850996" | "6006969" | "6098858" | "6286737" | "6786372" | "7409237" | "7959121" | "7980435" | "8231094" | "8613564").PN. OR ("8919622").URPN.				
S201	40	("4419794" | "4485946" | "5054170" | "5081709" | "5261122" | "5540368").PN. OR ("5584423").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:56
S202	22	("4356943" | "4881150" | "5540368" | "5584423" | "5996184" | "6038742" | "6149043").PN. OR ("6438808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:01
S203	14	("20040003809" | "20040079365" | "20050097709" | "20050274380" | "20100031481" | "20120036682" | "5730342" | "5906031" | "6318610" | "6438808" | "6736136" | "7222621" | "8156616" | "8806726").PN. OR ("9233742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:02
S204	19	("2326558" | "3984191" | "4419794" | "5347693" | "5622296" | "5839173").PN. OR ("6038742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:04
S205	79	("1519380" | "2502034" | "3631572" | "4419794" | "5026016" | "5054170" | "5201858" | "5274885" | "5375749").PN. OR ("5622296").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:07
S206	58	("20050092801" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424" | "7077372").PN. OR ("7261264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:09
S207	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" | "7172164" | "7261264" | "7270309" | "7594823" | "7673838" | "7726706" | "8215605" | "8292521" | "8333353" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:11

		"D329192" | "D380219" | "D658972").PN. OR ("8544805").URPN.				
S208	28	("1081378" | "20090256037" | "3424421" | "3540687" | "3822049" | "3927315" | "3989215" | "4332052" | "4467990" | "4613135" | "5129613" | "5146631" | "5232191" | "5251959" | "5707033" | "5865562" | "7077372" | "7134635" | "8544805" | "D329192").PN. OR ("9683696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:13
S209	51	("20050092801" | "20050121576" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424").PN. OR ("7077372").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:15
S210	126	("1519380" | "3743147" | "3797717" | "3878589" | "4419794" | "4587818" | "4605335" | "4619020" | "4676420" | "4718586" | "4754528" | "4757927" | "4821934").PN. OR ("5054170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:19
S211	141	("0690277" | "1423590" | "2637885" | "3170209").PN. OR ("4419794").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:24
S212	40	("1284422" | "1522957" | "2786678" | "3788642" | "4133509" | "4150381" | "4176580" | "4218058" | "4348022" | "4397464").PN. OR ("4613135").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:30
S213	5	("1081378").URPN.	USPAT	OR	ON	2021/09/24 23:33
S214	82	("1949114" | "20020011544" | "20040011938" | "20040031894" | "20050085123" | "20050127260" | "20060057887" | "20060126284" | "20070170330" | "20070294905" | "20080232044" | "20110210227" | "2244427" | "3046843" | "3960352" | "4747570" | "5026016" | "5433416" | "5812368" | "5966881" | "6119878" | "6400560" | "6409475" | "6519144" | "6554238" | "6702604" | "6758454" | "6935883" | "7066435" | "7172164" | "7225471" | "7270309" | "7317613" | "7334762" | "7390211" | "7404535" | "7413371" | "7481407" | "7594632" | "7594823" | "7673838" | "8059399" | "8083193" | "D275074" | "D275177" | "D329192" | "D380219" | "D397984" | "D492187" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:34

		"D559657" | "D587640" | "D628607" | "D635008" | "D637599").PN. OR ("D658972").URPN.				
S215	30	("5224610" | "5904328" | "6050322" | "6220461" | "7066435").PN. OR ("7270309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:38
S216	30	("5224610" | "5904328" | "6050322" | "6220461" | "7066435").PN. OR ("7270309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:40
S217	45	("0269538" | "10064523" | "20020092817" | "20020148795" | "20030168417" | "20050284991" | "20060261021" | "20080047913" | "20080053935" | "20110168857" | "20150325991" | "4387811" | "4662524" | "5080238" | "5537289" | "5683010" | "6065613" | "6089387" | "6386379" | "6464087" | "6484747" | "6520351" | "6564950" | "6729479" | "7090085" | "7270309" | "7527157" | "7611034" | "7871581" | "7959020" | "9345322" | "D027014" | "D315840" | "D367790" | "D376941" | "D400745" | "D473084" | "D564271" | "D564816" | "D568657" | "D572061" | "D572062" | "D632514").PN. OR ("10849705").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:41
S218	50	("20020144962" | "2779114" | "3650407" | "4019298" | "4564732" | "4595226" | "4629065" | "4807763" | "4882862" | "4936467" | "5035389" | "5203462" | "5244300" | "5356038" | "5413228" | "5433416" | "5435511" | "5664793" | "5706737" | "5819456" | "5823360" | "5871092" | "5871105" | "6053340" | "6637707" | "6932223").PN. OR ("7090085").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:43
S219	95	("0314591" | "0331565" | "0955260" | "1601054" | "20010032910" | "20020166275" | "20030029893" | "20030226861" | "20050023233" | "20070056918" | "20080163528" | "20080164232" | "20080296240" | "20080301988" | "20090194495" | "20100270440" | "20120112022" | "20150154895" | "20180226000" | "2937759" | "4009532" | "4268984" | "4339045" | "4436267" | "4460142" | "4574507" | "4805782" | "4997997" | "5020759" | "5022174" | "5244102" | "5411144" | "5419362" | "5480073" | "5488656" | "5538144" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:46

		"5630516" | "5813546" | "5921011" | "5921403" | "6003804" | "6059215" | "6079675" | "6112909" | "6311879" | "6338213" | "6547204" | "6834813" | "7090085" | "7168577" | "7455258" | "7665616" | "7828254" | "8529184" | "9161644" | "9649547" | "D037306" | "D184994" | "D207246" | "D240486" | "D322746" | "D329194" | "D351552" | "D462254" | "D462603" | "D554979" | "D561009" | "D571190" | "D600067" | "D629671" | "D639147" | "D646555" | "D724934" | "D735560" | "D763665" | "D764259" | "D785380" | "D793209" | "D798131" | "D807733" | "D808776" | "D813649").PN. OR ("10264896").URPN.				
S220	17	("3724085" | "4018339" | "4228982" | "4283038" | "4597554" | "4712761" | "5303895" | "5584462" | "5791625" | "5802729" | "6286802" | "6637707" | "7090085").PN. OR ("7293754").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:48
S221	61	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:51
S222	20	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707" | "6824114").PN. OR ("7837165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:54
S223	13	("20050139745" | "4660793" | "5035389" | "5433416" | "5452874" | "5608603" | "5924790" | "6237886" | "6520463" | "6637707").PN. OR ("7490800").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:56
S224	34	("0495537" | "0541864" | "4632348" | "4679709" | "4948085" | "5035389" | "5060898" | "5226625").PN. OR ("5356105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:59
S225	53	("1794700" | "20050077385" | "20050178941" | "20050224539" | "20060081749" | "20060086876" | "20060231717" | "20070045492" | "20070108213" | "20080142674" | "20080283556" | "20100176261" | "2427335" | "2605021" | "2754991" | "3212660" | "3224644" | "4088250" | "4579309" | "4679709" | "5145139" | "5226625" | "5326006" | "5356105" | "5406816" | "5480115" | "5492238" | "5494250" | "5549074" | "5669329" | "5813644" | "5934222" | "5947322" | "5992698" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:00

		"6095470" | "6318687" | "6321943" | "6427958" | "6557206" | "6572063" | "6983918" | "7234673" | "D394933").PN. OR ("8833596").URPN.				
S226	21	("1840138" | "1894146" | "2897928" | "2939613" | "3389883").PN. OR ("4132380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:23
S227	21	("1840138" | "1894146" | "2897928" | "2939613" | "3389883").PN. OR ("4132380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/25 00:24
S228	27	("2680000" | "3608127" | "3685852" | "3935613" | "3987875" | "4422212" | "4589530" | "4817237").PN. OR ("5428866").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:55
S229	19	("3423786" | "3685852" | "4731903").PN. OR ("4817237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:57
S230	27	("1709972" | "2782045" | "2790196" | "3608127").PN. OR ("3935613").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 14:58
S231	27	("1709972" | "2782045" | "2790196" | "3608127").PN. OR ("3935613").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:00
S232	7	("1709972").URPN.	USPAT	OR	ON	2021/09/26 15:01
S233	356	16/30.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S234	187	A45C5/143.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S235	2,457	B60B33/0002.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:15
S236	1,559	B62B5/0083.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:16

S237	569	B62B2202/24,10.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:16
S238	419	Y10T16/191.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:16
S240	1,147	248/222.11,223.41.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:20
S241	8	("2005/0103959").URPN.	USPAT	OR	ON	2021/09/26 15:22
S242	13	("20050085123" | "20050103959" | "20050127017" | "20120104200" | "20120125873" | "20130182381" | "4176580" | "4620736" | "5026016" | "5244300" | "6109461" | "6481679" | "7172164").PN. OR ("11071384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:23
S243	30	("4957264" | "6491268" | "6585212" | "6621704" | "6817587" | "6896046" | "7032872" | "7544889" | "7551458").PN. OR ("8201788").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:26
S244	44	("2680000" | "2897928" | "3631572" | "3881677" | "4346868" | "4618081" | "4948085" | "5181774").PN. OR ("5332183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:33
S245	1,649	248/222.13,187.1,223.41.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:34
S246	741	16/29,257.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:46
S247	1,201	190/18A.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 15:46
S249	0	248/187.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:27
S250	75	"4929973"	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28

S251	1	("4929973").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 16:28
S252	887	248/177.1,187.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28
S253	729	396/419.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:28
S254	0	F16M11/-041	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S255	0	F16M11/0041.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S256	5,360	F16M13/00.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
S257	916	F16M2200/028.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:30
S258	13	("4430771" | "4731903" | "4817237" | "4839940" | "5054164").PN. OR ("5343595").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:39
S259	21	("3423786").URPN.	USPAT	OR	ON	2021/09/26 16:40
S260	4	(("2621361") or ("0546909")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 16:41
S261	7	("1709972").URPN.	USPAT	OR	ON	2021/09/26 16:43
S262	11	("2005/0015928").URPN.	USPAT	OR	ON	2021/09/26 17:13
S263	56	("2262287" | "2696962" | "3349443" | "3388884" | "3495896" | "3692266" | "4077597" | "4217710").PN. OR ("4340199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:19

S264	8	("2127230").URPN.	USPAT	OR	ON	2021/09/26 17:24
S265	104	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$ or US-20180127007-$ or US-20150102191-$ or US-20080105803-$ or US-20020170933-$ or US-20100071168-$ or US-20060246963-$ or US-20050092801-$ or US-20100176261-$ or US-20050103959-$ or US-20050015928-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$ or US-8448829-$ or US-10487978-$ or US-8020821-$ or US-9404615-$ or US-5957421-$ or US-8499986-$ or US-6824028-$ or US-10683963-$ or US-7032791-$ or US-5850996-$ or US-11047644-$ or US-10222172-$ or US-6371424-$ or US-5730342-$ or US-10124848-$ or US-5850954-$ or US-8613564-$ or US-9101198-$ or US-8919622-$ or US-6098858-$ or US-5593121-$ or US-5584423-$).did. or (US-6438808-$ or US-D927956-$ or US-9233742-$ or US-6038742-$ or US-5839173-$ or US-5622296-$ or US-7261264-$ or US-10568393-$ or US-8544805-$ or US-9683696-$ or US-7077372-$ or US-10835060-$ or US-9765806-$ or US-8011071-$ or US-5054170-$ or US-D700502-$ or US-D438536-$ or US-5577303-$ or US-4613135-$ or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:41
S266	457	Y10T16/5357.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 17:45

S267	104	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$ or US-20180127007-$ or US-20150102191-$ or US-20080105803-$ or US-20020170933-$ or US-20100071168-$ or US-20060246963-$ or US-20050092801-$ or US-20100176261-$ or US-20050103959-$ or US-20050015928-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$ or US-8448829-$ or US-10487978-$ or US-8020821-$ or US-9404615-$ or US-5957421-$ or US-8499986-$ or US-6824028-$ or US-10683963-$ or US-7032791-$ or US-5850996-$ or US-11047644-$ or US-10222172-$ or US-6371424-$ or US-5730342-$ or US-10124848-$ or US-5850954-$ or US-8613564-$ or US-9101198-$ or US-8919622-$ or US-6098858-$ or US-5593121-$ or US-5584423-$).did. or (US-6438808-$ or US-D927956-$ or US-9233742-$ or US-6038742-$ or US-5839173-$ or US-5622296-$ or US-7261264-$ or US-10568393-$ or US-8544805-$ or US-9683696-$ or US-7077372-$ or US-10835060-$ or US-9765806-$ or US-8011071-$ or US-5054170-$ or US-D700502-$ or US-D438536-$ or US-5577303-$ or US-4613135-$ or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:20
S268	2	(("3935613") or ("5664292")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 20:20
S269	24	(US-20190225371-$ or US-20180127007-$ or US-20100176261-$ or US-20050015928-$).did. or (US-5664292-$ or US-3935613-$ or	US-PGPUB;	OR	ON	2021/09/26 20:25

		US-D898320-$ or US-10222172-$ or US-7090085-$ or US-7077372-$ or US-6371424-$ or US-6098858-$ or US-5957421-$ or US-5850996-$ or US-5622296-$ or US-5356105-$ or US-5356038-$ or US-4929973-$ or US-4817237-$ or US-2124541-$ or US-1081378-$ or US-0495537-$).did. or (US-3423786-$ or US-2939613-$).did.	USPAT; USOCR			
S270	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:25

		20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$				

		or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S271	16	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25
S272	7	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25
S273	430	(US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or	US-PGPUB;	OR	ON	2021/09/26 20:26

		US-20200055534-$ or US-20190225371-$ 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-$ 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-$).did. or (US-20170138382-$ 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-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-20110220531-$).did. or (US-20110181008-$ 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-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-$).did. or (US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ 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-$).did. or (US-D895375-$ 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-	USPAT; USOCR			

		$ or US-D880252-$ or US-10583962-$ or US-D873085-$ or US-D871013-$ or US-10434638-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-D806483-$).did. or (US-D803631-$ or US-9750543-$ or US-9725209-$ or US-9701443-$ or US-9643629-$ or US-D784089-$ or US-9616562-$ or US-9566990-$ or US-D777426-$ or US-9511491-$ or US-9506489-$ or US-D753396-$ or US-9132543-$ 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-D661858-$).did. or (US-8191910-$ or US-8177463-$ or US-8132819-$ or US-D649350-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-D536580-$ or US-7147243-$ or US-D527225-$ 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-$).did. or (US-6371320-$ or US-6367631-$ or US-6347847-$ or US-6305498-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5951037-$ or US-5797617-$ 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-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$ or US-D325324-$ or US-5098235-$).did. or (US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$).did. or (US-0254946-$ or US-0243925-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$).did. or (US-0166352-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$).did. or (US-0121056-$ 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-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-$).did. or (US-0026901-$ or US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$).did. or (US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-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-0239808-$ or US-0236482-$).did. or (US-0225371-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-				

		0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-0161975-$).did. or (US-0161518-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$ or US-0115312-$).did. or (US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-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-$ or US-0024468-$ or US-0023349-$ or US-0006770-$).did. or (US-0002004-$ or US-0000440-$).did.				
S274	22	S269 not (S270 S271 S273)	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:27
S275	7	(US-0076261-$ | US-11008136-$ | US-20060076261-$ | US-6082687-$ | US-7172164-$ | US-7837165-$).DID.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:32
S276	42	(US-0001482-$ | US-0025706-$ | US-0060953-$ | US-0094392-$ | US-0151427-$ | US-0155373-$ | US-0187725-$ | US-0213934-$ | US-0267368-$ | US-0310842-$ | US-10933501-$ | US-10962218-$ | US-10981696-$ | US-11059631-$ | US-20030094392-$ | US-20080060953-$ | US-20150151427-$ | US-20150310842-$ | US-20180213934-$ | US-20190001482-$ | US-20210025706-$ | US-20210155373-$ | US-20210187725-$ | US-20210267368-$ | US-3424334-$ | US-7152752-$ | US-8851282-$ | US-9551367-$ | US-9888752-$ | US-D917977-$ | US-D923935-$).DID.	US-PGPUB; USPAT; USOCR	OR	ON	2022/01/29 23:18
S277	570	220/4.27.ccls.	US-PGPUB;	OR	ON	2022/02/01 21:58

			USPAT; USOCR			
S278	442	B65D21/0223.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S279	2,373	A45C5/14.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S280	111	A45C7/005.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S281	3,616	A45C13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S282	476	A45F3/10.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S283	993	B25H1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S284	1,281	B25H3/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S285	223	B25H3/021.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:58
S286	1,197	B62B1/14.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S287	826	B65D21/0209,0228.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S288	408	A45C7/0045.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59

S289	493	B25H3/023.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S290	1,065	B62B5/067.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S291	59	B65D2255/00.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S292	222	B65H2701/533.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 21:59
S293	1,280	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	USPAT	OR	ON	2022/02/01 22:00
S294	100	((("Brunner") near3 ("Yaron"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S295	90	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S296	124	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
S297	214	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2022/02/01 22:00
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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S322	2,308	A45C5/14.cpc.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:26
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S337	253	16/30.ccls.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:28
S338	675	248/177.1,187.1.ccls.	US-PGPUB; USPAT	OR	ON	2022/02/08 21:28
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: February 7, 2022

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	2,386,343	10-09-1945	Regenhardt	
	A2	3,552,817	01-05-1971	Marcolongo	
	A3	3,567,298	03-02-1971	Ambaum et al.	
	A4	3,851,936	12-03-1974	Muller	
	A5	4,564,732	01-14-1986	Lancaster et al.	
	A6	4,660,725	04-28-1987	Fishman et al.	
	A7	5,154,291	10-13-1992	Sur	
	A8	5,454,634	10-03-1995	Herbst et al.	
	A9	6,371,321	04-16-2002	Lee	
	A10	7,350,648	04-01-2008	Gerstner et al.	
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	A13	2006/0165482	07-27-2006	Olberding	
	A14	2007/0006542	01-11-2007	Duke	
	A15	2008/0280523	11-13-2008	Bishop	

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**.

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: February 7, 2022				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R.
Sheet	2	of	2	Attorney Docket Number	066749-2792

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**.

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Electronic Patent Application Fee Transmittal	
Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Attorney Docket Number:	066749-2792
Filed as Large Entity	
Filing Fees for Utility under 35 USC 111(a)	

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	260	260
		Total in USD ($)		**260**

Electronic Acknowledgement Receipt	
EFS ID:	44932956
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	07-FEB-2022
Filing Date:	06-OCT-2020
Time Stamp:	17:57:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$260
RAM confirmation Number	E202227H57523153
Deposit Account	180882
Authorized User	Sarah Sesterhenn-Lee
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	066749-2792-IDS_Transmittal.pdf	91540 a2e1be38c27d056b0c4829cdbdcf687cb2940681	no	3
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	066749-2792-SB08.pdf	121361 01c34293ba1bf2eb852c1bf02f4184665037 7b98	no	2
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Information:					
This is not an USPTO supplied IDS fillable form					
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Warnings:					
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		Total Files Size (in bytes):	251076		

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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 a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R.
Art Unit:	3736
Confirmation Number:	4794

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. 2004 - Page 266
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of any of a final action under 37 CFR § 1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

STATEMENT UNDER 37 CFR 1.97(e)

Per 37 CFR §1.97(e)(2), the undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in the 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

FEES

The IDS Fee of $260.00 under 37 CFR 1.17(p) is being paid via Deposit Account No. 18-0882 via EFS-web.

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.

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. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 18-0882.

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 267
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Respectfully submitted,

Date February 7, 2022

By /Derek H. Campbell/

Reinhart Boerner Van Deuren s.c.
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Derek H. Campbell
Attorney for Applicant
Registration No. 70,608

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: December 22, 2021

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	3,424,334	01-28-1969	Goltz	
	A2	7,152,752	12-26-2006	Kurtenbach	
	A3	8,851,282	10-07-2014	Brunner	
	A4	9,551,367	01-24-2017	Shieh	
	A5	9,888,752	02-13-2018	Den Boer et al.	
	A6	10,962,218	03-30-2021	Plato et al.	
	A7	10,933,501	03-02-2021	Bisson	
	A8	10,981,696	04-20-2021	Brunner et al.	
	A9	11,059,631	07-13-2021	Brunner et al.	
	A10	2003/0094392	05-22-2003	Meier et al.	
	A11	2008/0060953	03-13-2008	Ghassan	
	A12	2015/0151427	06-04-2015	Ben-Gigi	
	A13	2015/0310842	10-29-2015	Coburn et al.	
	A14	2018/0213934	08-02-2018	Wolle et al.	
	A15	2019/0001482	01-03-2019	Wolle et al.	
	A16	2021/0025706	01-28-2021	Millane	
	A17	2021/0155373	05-27-2021	Cai	
	A18	2021/0187725	06-24-2021	Brunner	
	A19	2021/0267368	09-02-2021	Bruins	
	A20	D917,977	05-04-2021	Brunner et al.	
	A21	D923,935	07-06-2021	Brunner 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	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant	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.

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: December 22, 2021

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

		Country Code[3]-Number[4]-Kind Code[5] (*if known*)			Passages or Relevant Figures Appear	

NON PATENT LITERATURE DOCUMENTS			
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.

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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.

Electronic Patent Application Fee Transmittal	
Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Attorney Docket Number:	066749-2792
Filed as Large Entity	
Filing Fees for Utility under 35 USC 111(a)	

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	260	260
		Total in USD ($)		**260**

Electronic Acknowledgement Receipt	
EFS ID:	44585819
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	22-DEC-2021
Filing Date:	06-OCT-2020
Time Stamp:	13:10:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$260
RAM confirmation Number	E2021BLD10500219
Deposit Account	180882
Authorized User	Sarah Sesterhenn-Lee
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.21 (Miscellaneous fees and charges) 37 CFR 1.20 (Post Issuance fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.16 (National application filing, search, and examination fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		066749-2792_Non-Final_Office_Action_Response.pdf	172133 26458ac3c8bd408e421df1f76810ea65d3760f11	yes	10
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	4	
	Applicant Arguments/Remarks Made in an Amendment		5	10	
Warnings:					
Information:					
2	Transmittal Letter	066749-2792-IDS_Transmittal.pdf	91021 94d59496cb445f5e3ab5a5fc81f608d5fb4cb773	no	3
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	066749-2792-SB08.pdf	134083 3a9daa00c3e4ec321fc926a9d514d77a96d7164e	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Fee Worksheet (SB06)	fee-info.pdf	38175 2fb0f5b1c5962055f47d867c35b231ffc34b4b3d	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	435412		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R
Art Unit:	3736
Confirmation No:	4794

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

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111

This communication is responsive to the Non-Final Office Action dated September 30, 2021, concerning the above-referenced patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this document.

Remarks begin on page 5 of this document.

Please amend the application as follows:

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IPR2024-01401

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-8. (Cancelled)

9. (Currently Amended) A coupling platform for a stackable utility module configured to engage male couplers on an adjacent utility module comprising:

a panel;

a plurality of ~~one or more~~ female couplers coupled to the panel, the plurality of female couplers each comprising a pair of locking ribs, two sidewalls and a depressed locking location, the pair of locking ribs extending above ~~a surface of~~ the depressed locking location and substantially parallel to a sliding path, wherein the male couplers of the adjacent utility module are configured to be engaged below ~~between~~ the pair of locking ribs ~~and the surface of the depressed locking location~~ of the plurality of ~~one or more~~ female couplers, wherein each of the female couplers comprises a back wall that extends from each of the two sidewalls and between the two sidewalls, and each of the female couplers comprises a front wall opposite the back wall that extends from each of the two sidewalls and between the two sidewalls, wherein a first rib of the pair of locking ribs extends from the back wall in a first direction towards a front of the panel ~~coupling platform~~ and from a first sidewall of the two sidewalls, and a second rib of the pair of locking ribs extends from the back wall and from a second sidewall of the two sidewalls;

a latch recess defined by the panel and located on the panel in front of the plurality of female couplers, the latch recess configured to receive a latch from the adjacent utility module; and

~~comprising~~ a plurality of mounting apertures defined by the panel, the plurality of mounting apertures configured to receive a fastener to secure the panel ~~coupling platform~~ to a surface.

10-12. (Cancelled)

13. (Previously Presented) The coupling platform of claim 9, wherein the first rib extends a first distance from the first sidewall and the first rib extends a second distance from the back wall that is more than twice as far as the first distance.

14. (Currently Amended) The coupling platform of claim 9, ~~further comprising a~~ the panel comprising a top face from which the one or more female couplers extend, wherein the depressed locking locations of the one or more female couplers comprise at least 50% of an area of the top face.

15-20. (Cancelled)

21. (Previously Presented) The coupling platform of claim 9, wherein the one or more female couplers are arranged along a plurality of rows and a plurality of columns perpendicular to the plurality of rows, each row comprises two or more female couplers and each column comprises two or more female couplers, wherein each of the plurality of columns are parallel to the first direction.

22. (Cancelled)

23. (Previous Presented) The coupling platform of claim 9, wherein for each locking rib, an upper surface of the locking rib is parallel to and faces away from a lower surface of the locking rib.

24. (Cancelled)

25. (Currently Amended) The coupling platform of claim 9, wherein the coupling platform defines [[the]] a surface of the depressed locking location.

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26. (New) The coupling platform of claim 9, wherein the latching recess is centrally located on the panel in front of the plurality of female couplers.

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IPR2024-01401

REMARKS

This reply is intended to be completely responsive to the Non-Final Office Action dated September 30, 2021.

Status

Claims 9, 13, 14, 21, and 23-25 are pending in this application. Claims 9, 13, 14, 21, and 23-25 were rejected.

With this amendment, claims 9, 14, and 25 are amended, claim 24 is cancelled, and claim 26 is added.

Applicant believes that each of the rejections raised by the Examiner has been addressed and the application is in condition for allowance. Reconsideration and allowance of the application is respectfully requested.

Claim Rejections - 35 U.S.C. § 103

I. Rejection of claims 9, 13, 14, 21, 23, and 25 under 35 U.S.C. § 103 as being obvious over Kaneko

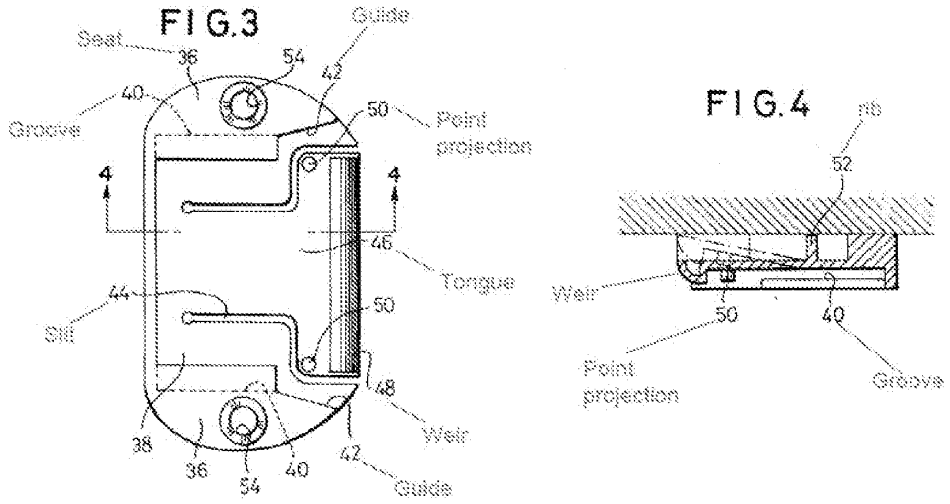
On pages 2-4 of the Office Action, the Examiner rejected claims 9, 13, 14, 21, 23, and 25 under 35 U.S.C. § 103 as being unpatentable over Kaneko, U.S. Patent No. 3,935,613.

Applicant respectfully submits that claim 9 is patentable over the cited references for several reasons. First, Kaneko fails to disclose, teach or suggest "each of the female couplers comprises a front wall opposite the back wall that extends from each of the two sidewalls," which claim 9 as amended recites. Second, the cited references fail to disclose, teach or suggest "a latch recess defined by the panel and located on the panel in front of the plurality of female couplers," which claim 9 as amended recites.

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

A. Kaneko fails to disclose, teach or suggest "each of the female couplers comprises a front wall opposite the back wall that extends from each of the two sidewalls"

Applicant respectfully submits that Kaneko fails to disclose, teach or suggest "each of the female couplers comprises a front wall opposite the back wall that extends from each of the two sidewalls," which claim 9 as amended recites. To disclose the "front wall," the Office Action cites to weir 48 in Kaneko. Office Action, page 3. Applicant respectfully submits that weir 48 in Kaneko does not extend "from each of the two sidewalls." For reference, Figs. 3 and 4 in Kaneko are copied and annotated below.



Kaneko, FIGS. 3 and 4 (annotated).

As can be seen above, tongue 46 is flexibly coupled to and extends from seat 36. Weir 48 is located at the end of tongue 46 and extends approximately to the same depth as groove 40 as shown in FIG. 4.

However, nothing in Kaneko discloses, teaches or suggests that weir 48 extends "from each of the two sidewalls," which claim 9 as amended recites. Instead, weir 48 is delimited at either side by slit 44, which are clearly distanced and separate from guides 42 as shown in FIG. 3 in Kaneko. Slits 44 separate weir 48 from guides 42 thereby permitting tongue 46 to deflect

upward (see FIG. 4). Thus, Kaneko does not disclose "each of the female couplers comprises a front wall opposite the back wall that extends from each of the two sidewalls," which claim 9 as amended recites.

Accordingly, for at least this reason Applicant submits that claim 9 as amended is allowable over Kaneko.

B. The cited references fail to disclose, teach or suggest "a latch recess defined by the panel and located on the panel in front of the plurality of female couplers"

Applicant respectfully submits that the cited references fail to disclose, teach or suggest "a latch recess defined by the panel and located on the panel in front of the plurality of female couplers," which claim 9 as amended recites. The Examiner indicates that Kaneko fails to disclose a latch recess, which was formerly recited in claim 24. Office Action, page 4.

To remedy this deficiency, the Examiner cites to Chen, U.S. Patent No. 5,664,292. Office Action, page 5. In particular, the Examiner cites to positioning hole 23 in Chen. For reference, Fig. 2 in Chen is copied and annotated below.

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

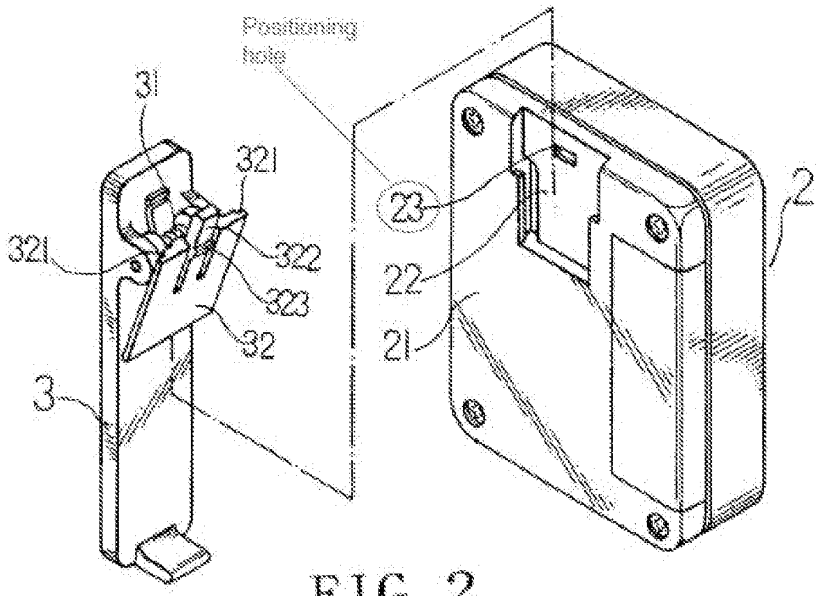


FIG. 2

Chen, FIG. 2 (annotated).

Applicant respectfully submits that Chen does not disclose, teach or suggest "a latch recess defined by the panel and located on the panel in front of the plurality of female couplers." In particular, Chen appears to disclose that positioning hole 23 is located within a coupler, not in front of a plurality of couplers.

Accordingly, for at least this additional reason Applicant respectfully submits that claim 9 as amended is allowable over Kaneko and Chen, either considered individually or in combination.

II. Rejection of claim 24 under 35 U.S.C. § 103 as being obvious over Kaneko in view of Chen

On pages 4-5 of the Office Action, the Examiner rejected claim 24 under 35 U.S.C. § 103 as being unpatentable over Kaneko and Chen, U.S. Patent No. 5,664,292.

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Applicant respectfully submits that claim 24, which depends from claim 9, is allowable over Kaneko as modified by Chen for at least the same reasons as exist for claim 9, discussed above.

New Claim

Applicant has added new dependent claim 26 to present claims of varying scope. No new matter has been added. Exemplary support for the new claim may be found at paragraphs [0216]-[0217], and FIG. 8A of the application as originally filed. New claim 26 depends from independent claim 9. Applicant respectfully asserts that new claim 26 is patentable for at least the same reasons set forth above regarding independent claim 9.

Applicant further respectfully submits that Kaneko and Chen fail to disclose, teach or suggest "the latching recess is centrally located on the panel in front of the plurality of female couplers," which claim 26 recites. The Office Action indicates that Kaneko fails to disclose a latching recess. Office Action, page 4. To remedy this deficiency, the Examiner cites to Chen. Office Action, page 5. Applicant respectfully submits that Chen fails to disclose, teach or suggest "the latching recess is centrally located on the panel in front of the plurality of female couplers." Instead, as noted above Chen appears to show that positioning hole 23 is within a coupler, not centrally located within a panel in front of a plurality of female couplers.

For at least this application reason Applicant respectfully submits that claim 26 is allowable over the cited references.

Conclusion

Applicant believes that the present application is in condition for allowance. Favorable reconsideration of the application is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

It should be noted that, for the sake of clarity and simplicity, Applicant's remarks have focused on the rejections of the independent claims set forth in the Office Action with the understanding that the dependent claims are patentable for at least the same reasons as the independent claims. Further, in addressing the Examiner's rejections, Applicant's remarks have set forth only some of the available arguments for patentability of the rejected claims. Applicant expressly reserves the right to argue the patentability of all claims separately and to provide new, different, and/or additional arguments for patentability not set forth herein, including, but not limited to, the failure of cited references to disclose, teach, or suggest other elements of the claims, the lack of motivation to combine cited references, teachings away from the combination of cited references, the failure of references to qualify as prior art or improper combination of the cited references, in this or any future proceedings.

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. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 18-0882.

Respectfully submitted,

Date December 22, 2021

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. 2004 - Page 285
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Atty. Dkt. No. 066749-2792

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R
Art Unit:	3736
Confirmation Number:	4794

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. 2004 - Page 286
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TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of any of a final action under 37 CFR § 1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

STATEMENT UNDER 37 CFR 1.97(e)

Per 37 CFR §1.97(e)(2), the undersigned hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in the 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

FEES

The IDS Fee of $260.00 under 37 CFR 1.17(p) is being paid via Deposit Account No. 18-0882 via EFS-web.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

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. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 18-0882.

Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 287
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Respectfully submitted,

Date December 22, 2021

By /Derek H. Campbell/

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Telephone: (414) 298-8374
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Registration No. 70,608

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

142078 7590 09/30/2021

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
09/30/2021	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

Office Action Summary	Application No. 17/064,371	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 --

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 11 June 2021.

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 9,13-14,21 and 23-25 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 9,13-14,21 and 23-25 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

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

11)☑ The drawing(s) filed on 06 October 2020 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 6/11/2021, 8/5/2021.

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

4) ☐ Other: _____.

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DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 11, 2021 has been entered.

3. In the Amended Claims of May 10, 2021, Claims 9, 13, 14, 21, and 23-25 are pending. Claims 9, 13, 21, and 23 are amended. Claims 24 and 25 are new.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. Claims 9, 13, 14, 21, 23, and 25 are rejected under 35 U.S.C. 103 as being unpatentable over Kaneko (US 3935613).

6. Regarding Claim 9, Kaneko discloses a coupling platform capable of being used with a stackable utility module (luggage is considered a utility module as discussed in Specification Paragraph 0003) to engage male couplers on casters.

7. While Kaneko does not explicitly disclose the use of the coupling platform with male couplers on an adjacent utility module, a person having ordinary skill in the art

would recognize and find obvious the use of the coupling to couple with other items including an adjacent utility module.

8. Kaneko discloses one or more female couplers (36) each comprising a pair of locking ribs (40), two sidewalls and a depressed locking location (at 46). The pair of locking ribs extend above a surface of the depressed locking location and substantially parallel to a sliding path. Male couplers (26) are configured to be engaged between the pair of locking ribs and the surface of the depressed locking location of the one or more female couplers.

9. Each female coupler also comprises a back wall that extends from each of the two sidewalls and between the two sidewalls, and each of the female couplers comprises a front wall (48) that extends from each of the two sidewalls and between the two sidewalls. A first rib of the pair of locking ribs (40) extends from the back wall in a first direction towards a front of the coupling platform and from a first sidewall of the two sidewalls, and a second rib of the pair of locking ribs extends from the back wall and from a second sidewall of the two sidewalls. Kaneko also discloses a plurality of mounting apertures (54) configured to receive a fastener to secure the coupling platform to a surface.

10. Regarding Claim 13, Kaneko discloses the first rib extends a first distance from the first sidewall and the first rib extends a second distance from the back wall that is more than twice as far as the first distance.

11. Regarding Claim 14, Kaneko discloses a panel comprising a top face in Figure 5. While Kaneko does not disclose the exact dimensions of the panel or the couplers, a person having ordinary skill in the art would be capable of modifying the relative sizes of

the coupler and the panel in order to suit different modules of varying sizes. Applicant has not disclosed that female couplers comprising at least 50% of an area of the top face serves a particular purpose or achieves a particular result. Therefore, one having ordinary skill in the art would recognize that modifying the relative sizes of the coupler and the associated panel may be varied as an obvious variation in attaching differently sized modules with appropriately sized connectors that would produce no unexpected results based on the dimensions and features of the final platform.

12. Regarding Claim 21, Kaneko discloses in Figure 5 female couplers arranged along a plurality of rows and a plurality of columns perpendicular to the plurality of rows. Each row comprises two or more female couplers and each column comprises two or more female couplers, wherein each of the plurality of columns are parallel to the first direction.

13. Regarding Claim 23, Kaneko discloses that for each locking rib, an upper surface of the locking rib is parallel to and faces away from a lower surface of the locking rib.

14. Regarding Claim 25, Kaneko discloses the coupling platform defines the surface of the depressed locking location.

15. Claim 24 is rejected under 35 U.S.C. 103 as being unpatentable over Kaneko (US 3935613) as applied to claim 9 above, and further in view of Chen (US 5664292).

16. Regarding Claim 24, Kaneko discloses the limitations of Claim 9 as discussed above. Kaneko does not disclose a latch recess configured to receive a latch from the adjacent utility module, the latch recess located in front of at least one of the female couplers.

17. Chen discloses a similar female coupler (91) comprising two ribs adapted to receive a male member (32) including a latch recess (23) configured to receive a latch (323) from an adjacent module. Kaneko and Chen are analogous inventions in the art of coupling members with two ribs that receive a sliding male member.

18. It would have been obvious for one having ordinary skill in the art before the effective filing date of the claimed invention to modify the coupling platform of Kaneko with the latch recess of Chen in order to position and lock the male member in place (Col. 2 Lines 3-14).

Response to Arguments

19. Applicant's arguments with respect to claim 9 have been considered but are moot because the new ground of rejection does not rely on any reference applied in the prior rejection of record for any teaching or matter specifically challenged in the argument.

Conclusion

20. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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

/GIDEON R WEINERTH/
Examiner, Art Unit 3736

Notice of References Cited	Application/Control No. 17/064,371	Applicant(s)/Patent Under Reexamination Brunner et al.	
	Examiner GIDEON R WEINERTH	Art Unit 3736	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-0495537-A	04-1893	WESTERMAN THEODORE	A47B57/42	248/224.61
*	B	US-1081378-A	12-1913	FREEMAN ALVIN L	A47B95/008	248/223.41
*	C	US-2124541-A	07-1938	CASSEY THOMAS E	H02G3/10	248/223.41
*	D	US-2939613-A	06-1960	SAM HERMAN	A47K5/1214	222/181.2
*	E	US-3423786-A	01-1969	ARIAS HENRY JR	E05D7/12	16/257
*	F	US-3935613-A	02-1976	Kaneko; Katsuyoshi	A45C5/143	16/30
*	G	US-4817237-A	04-1989	Murphy; James F.	B60B33/0002	16/257
*	H	US-4929973-A	05-1990	Nakatani; Kouichiro	F16M11/041	248/177.1
*	I	US-5356105-A	10-1994	Andrews; Del	B63B35/14	248/221.11
*	J	US-5356038-A	10-1994	Banks; Stewart	A47K5/1204	222/105
*	K	US-5622296-A	04-1997	Pirhonen; Ilkka	A45F5/02	224/197
*	L	US-5664292-A	09-1997	Chen; Tonny	A45F5/02	24/3.11
*	M	US-5850996-A	12-1998	Liang; Ying-Ping	H04M1/04	248/221.11

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Notice of References Cited	Application/Control No. 17/064,371	Applicant(s)/Patent Under Reexamination Brunner et al.	
	Examiner GIDEON R WEINERTH	Art Unit 3736	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6098858-A	08-2000	Laugesen; Lise-Lotte	A45F5/02	224/197
*	B	US-6371424-B1	04-2002	Shaw; Stephen David	F16M11/041	248/187.1
*	C	US-20050015928-A1	01-2005	Arsenault, Gerald	B60B33/0049	16/300
*	D	US-7077372-B2	07-2006	Moran; Eric M.	A61B90/39	248/222.11
*	E	US-7090085-B1	08-2006	Vicendese; James A.	A47F5/08	211/106.01
*	F	US-20100176261-A1	07-2010	CHEN; Dong-Ying	G06F1/18	248/231.91
*	G	US-20180127007-A1	05-2018	Kravchenko; Alina	B62B1/04	1/1
*	H	US-10222172-B2	03-2019	Melville; Toby J.	F41C33/041	1/1
*	I	US-D898320-S	10-2020	Brunner; Yaron	A47K5/1214	D34/23
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

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Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 297
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	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	11/26/2020	09/26/2021							
	1	N	N							
	2	N	N							
	3	N	N							
	4	N	N							
	5	N	N							
	6	N	N							
	7	N	N							
	8	N	N							
	9	✓	✓							
	10	✓	-							
	11	✓	-							
	12	✓	-							
	13	✓	✓							
	14	✓	✓							
	15	N	-							
	16	N	-							
	17	N	-							
	18	N	-							
	19	N	-							
	20	N	-							
	21		✓							
	22		-							
	23		✓							
	24		✓							
	25		✓							

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Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

CPC - Searched*		
Symbol	**Date**	**Examiner**
A45C5/14	11/25/2020	GW
A45C7/005,0045	11/25/2020	GW
A45C13/02	11/25/2020	GW
A45F3/10	11/25/2020	GW
B25H1/$,04,14,	11/25/2020	GW
B25H3/$,02,021,023,	11/25/2020	GW
B25H5/$	11/25/2020	GW
B65H2701/533	11/25/2020	GW
B65D21/0223,0209,0228	11/25/2020	GW
B65D2255/00	11/25/2020	GW
Update search	03/05/2021	GW
A45C5/143	09/24/2021	GW
B60B33/0002	09/24/2021	GW
B62B5/0083	09/24/2021	GW
B62B2202/24,10	09/24/2021	GW
F16M13/02	09/24/2021	GW
F16M2200/028	09/24/2021	GW
G06F1/18	09/24/2021	GW
Y10S248/917	09/24/2021	GW
Y10T16/191,5357	09/24/2021	GW

CPC Combination Sets - 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. 2004 - Page 299
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/064,371	Brunner et al.
	Examiner	Art Unit
	GIDEON R WEINERTH	3736

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
224	583,645,629,665	11/25/2020	GW
150	113	11/25/2020	GW
190	110	11/25/2020	GW
220	4.27	11/25/2020	GW
190	18A	09/26/2021	GW
16	30,29,257	09/26/2021	GW
248	222.11,223.41,222.13,187.1,223.41,177.1,187.1	09/26/2021	GW
396	419	09/26/2021	GW
	Update search	09/26/2021	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**

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

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

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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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 5, 2021

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	6,082,687	07-04-2000	Kump et al.	
/G.R.W/	A2	7,172,164	02-06-2007	Fueling et al.	
/G.R.W/	A3	7,837,165	11-23-2010	Stone	
/G.R.W/	A4	11,008,136	05-18-2021	Brunner et al.	
/G.R.W/	A5	2006/0076261	04-13-2006	Kurtenbach	

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

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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	09/26/2021

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 11, 2021				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	1	of	3	Attorney Docket Number	066749-2792

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	509,839	11-28-1893	Bowley	
	A2	1,084,360	01-13-1914	Rahm	
	A3	3,424,334	01-28-1969	Goltz	
	A4	3,999,818	12-28-1976	Schankler	
	A5	4,122,925	10-31-1978	Schultheiss	
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	A8	5,325,966	07-05-1994	Chang	
	A9	5,375,709	12-27-1994	Petro	
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	A19	10,603,783	03-31-2020	Brocket et al.	
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	A21	10,750,833	08-25-2020	Burchia	
	A22	10,793,172	10-06-2020	Brunner	
	A23	10,829,269	11-10-2020	Gonitianer et al.	
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	A29	2012/0080432	04-05-2012	Bensman et al.	
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Examiner Signature	/GIDEON R WEINERTH/	Date Considered	09/24/2021

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 11, 2021				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	2	of	3	Attorney Docket Number	066749-2792

U.S. PATENT DOCUMENTS

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	A31	2014/0069832	03-13-2014	Roehm	
	A32	2014/0123478	05-08-2014	Gylander et al.	
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	A34	2015/0151427	06-04-2015	Ben-Gigi	
	A35	2018/0229889	08-16-2018	Li	
	A36	2020/0029543	01-30-2020	Householder	
	A37	2020/0223585	07-16-2020	Brunner et al.	
	A38	2020/0346819	11-05-2020	Kogel et al.	
	A39	2021/0025706	01-28-2021	Millane	
	A40	2021/0031975	02-04-2021	Brunner et al.	
	A41	2021/0039831	02-11-2021	Brunner et al.	
	A42	D285,986	10-07-1986	Huang	
	A43	D738,622	09-15-2015	Sabbag 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

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	104	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$ or US-20180127007-$ or US-20150102191-$ or US-20080105803-$ or US-20020170933-$ or US-20100071168-$ or US-20060246963-$ or US-20050092801-$ or US-20100176261-$ or US-20050103959-$ or US-20050015928-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$ or US-8448829-$ or US-10487978-$ or US-8020821-$ or US-9404615-$ or US-5957421-$ or US-8499986-$ or US-6824028-$ or US-10683963-$ or US-7032791-$ or US-5850996-$ or US-11047644-$ or US-10222172-$ or US-6371424-$ or US-5730342-$ or US-10124848-$ or US-5850954-$ or US-8613564-$ or US-9101198-$ or US-8919622-$ or US-6098858-$ or US-5593121-$ or US-5584423-$).did. or (US-6438808-$ or US-D927956-$ or US-9233742-$ or US-6038742-$ or US-5839173-$ or US-5622296-$ or US-7261264-$ or US-10568393-$ or US-8544805-$ or US-9683696-$ or US-7077372-$ or US-10835060-$ or US-9765806-$ or US-8011071-$ or US-5054170-$ or US-D700502-$ or US-D438536-$ or US-5577303-$ or US-4613135-$ or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:20

L2	2	(("3935613") or ("5664292")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/09/26 20:20
L3	24	(US-20190225371-$ or US-20180127007-$ or US-20100176261-$ or US-20050015928-$).did. or (US-5664292-$ or US-3935613-$ or US-D898320-$ or US-10222172-$ or US-7090085-$ or US-7077372-$ or US-6371424-$ or US-6098858-$ or US-5957421-$ or US-5850996-$ or US-5622296-$ or US-5356105-$ or US-5356038-$ or US-4929973-$ or US-4817237-$ or US-2124541-$ or US-1081378-$ or US-0495537-$).did. or (US-3423786-$ or US-2939613-$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:25
L22	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:25

		US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-				

		0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
L23	16	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25

L24	7	(US-20190225371-$ or US-20180290288-$ or US-20170138382-$).did. or (US-D898320-$ or US-D753982-$ or US-6637707-$ or US-5433416-$).did.	US-PGPUB; USPAT	OR	ON	2021/09/26 20:25
L43	430	(US-20200299027-$ or US-20200243925-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ 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-$ 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-$).did. or (US-20170138382-$ 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-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-20110220531-$).did. or (US-20110181008-$ 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-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-$).did. or (US-20060254946-$ or US-20060186624-$ or US-20060119060-$ or US-20060038367-$ or US-20060027475-$ or US-20060006770-$ or US-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$ or US-20030205877-$ or US-20030184034-$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:26

		20030146589-$ or US-20030115715-$ or US-20030094393-$ or US-20020171228-$ or US-20020125072-$ or US-20020000440-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D871013-$ or US-10434638-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-D806483-$).did. or (US-D803631-$ or US-9750543-$ or US-9725209-$ or US-9701443-$ or US-9643629-$ or US-D784089-$ or US-9616562-$ or US-9566990-$ or US-D777426-$ or US-9511491-$ or US-9506489-$ or US-D753396-$ or US-9132543-$ 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-D661858-$).did. or (US-8191910-$ or US-8177463-$ or US-8132819-$ or US-D649350-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-D536580-$ or US-7147243-$ or US-D527225-$ 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-$).did. or (US-6371320-$ or US-6367631-$ or US-6347847-$ or US-6305498-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-D420860-$ or US-5988473-$ or US-D415393-$ or US-5951037-$ or US-5797617-$ 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-D340167-$ or US-5240264-$ or US-D326815-$ or US-5105947-$ or US-D325324-$ or US-5098235-$).did. or (US-D319016-$ or US-5035445-$ or US-4971201-$ or US-4168076-$ or US-3974898-$ or US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-0292213-$ or US-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$).did. or (US-0254946-$ or US-0243925-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$).did. or (US-0166352-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$).did. or (US-0121056-$ 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-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-$).did. or (US-0026901-$ or US-0024468-$ or US-0023349-$ or US-0006770-$ or US-0002004-$ or US-0000440-$).did. or (US-D232798-$ or US-3506321-$ or US-3225865-$ or US-3117692-$ 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-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-0239808-$ or US-0236482-$).did. or (US-0225371-$ 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-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$ or US-0165036-$ or US-0161975-$).did. or (US-0161518-$ 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-0127129-$ or US-0125072-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$ or US-0115312-$).did. or (US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0099405-$ or US-0094393-$ or US-0090616-$ or US-0076759-$ or US-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-$ or US-0024468-$ or US-0023349-$ or US-0006770-$).did. or (US-0002004-$ or US-0000440-$).did.				
L44	22	L3 not (L22 L23 L43)	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 20:27
S1	1,013	((("MILWAUKEE") near3 ("ELECTRIC") near3 ("TOOL") near3 ("CORPORATION"))).AS,AANM.	USPAT	OR	OFF	2020/11/24 16:18
S2	73	((("Brunner") near3 ("Yaron"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S3	60	((("Squiers") near3 ("Grant") near3 ("T"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S4	93	((("Hoppe") near3 ("Christopher") near3 ("S"))).INV.	US-PGPUB;	OR	OFF	2020/11/24 16:18

			USPAT; USOCR			
S5	166	((("Hyma") near3 ("Steven") near3 ("W"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:18
S21	73	(US-0034515-$ | US-0094393-$ | US-0099405-$ | US-0125072-$ | US-0186513-$ | US-0221177-$ | US-0243925-$ | US-0292213-$ | US-0299027-$ | US-10106180-$ | US-10583962-$ | US-20020125072-$ | US-20030094393-$ | US-20120292213-$ | US-20150034515-$ | US-20160221177-$ | US-20180099405-$ | US-20180186513-$ | US-20200243925-$ | US-20200299027-$ | US-3225865-$ | US-4971201-$ | US-5098235-$ | US-6305498-$ | US-9506489-$ | US-9725209-$ | US-D232798-$ | US-D319016-$ | US-D325324-$ | US-D326815-$ | US-D340167-$ | US-D352208-$ | US-D361511-$ | US-D415393-$ | US-D420860-$ | US-D527225-$ | US-D536580-$ | US-D649350-$ | US-D738105-$ | US-D753396-$ | US-D777426-$ | US-D784089-$ | US-D803631-$ | US-D806483-$ | US-D831352-$ | US-D836995-$ | US-D839681-$ | US-D845080-$ | US-D845081-$ | US-D857387-$ | US-D873085-$ | US-D880252-$ | US-D880951-$ | US-D883752-$ | US-D887788-$ | US-D888422-$ | US-D888503-$ | US-D891193-$ | US-D891195-$ | US-D891875-$ | US-D892565-$ | US-D895375-$).DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:22
S22	270	(US-0000440-$ | US-0002004-$ | US-0006770-$ | US-0023349-$ | US-0024468-$ | US-0026901-$ | US-0027475-$ | US-0031222-$ | US-0031731-$ | US-0031732-$ | US-0038367-$ | US-0039781-$ | US-0044059-$ | US-0052276-$ | US-0055534-$ | US-0062244-$ | US-0068757-$ | US-0068903-$ | US-0071990-$ | US-0073516-$ | US-0076759-$ | US-0090616-$ | US-0103494-$ | US-0104308-$ | US-0104921-$ | US-0106244-$ | US-0115312-$ | US-0115715-$ | US-0119060-$ | US-0121056-$ | US-0121547-$ | US-0121783-$ | US-0127129-$ | 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-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:25

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S34	20	("2015/0241107").URPN.	USPAT	OR	OFF	2020/11/24 16:42
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S36	42	("1531542" | "1946593" | "20040195793" | "20050263527" | "20100155349" | "20110220531" | "20110315695" | "20140014669" | "3194426" | "4551988" | "5249438" | "5465985" | "5803472" | "5890613" | "5947032" | "6244064" | "6328179" | "6364329" | "6467779" | "7140507" | "7278234" | "7389608" | "7415794" | "8925752").PN. OR ("9500400").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:46

S37	15	("2004/0195793").URPN.	USPAT	OR	OFF	2020/11/24 16:47
S38	82	("20020175172" | "20030136699" | "20040035867" | "20040112906" | "20040173996" | "20040195793" | "20050051549" | "20050109654" | "20060119060" | "20060201943" | "20070045146" | "20070202221" | "20070235963" | "20080047855" | "20080296183" | "20090212514" | "20100108556" | "20110186458" | "20120292867" | "20140014539" | "20140210188" | "20140251996" | "20140360899" | "20150151566" | "2338477" | "2765099" | "3376046" | "3613940" | "3777896" | "3912158" | "3923318" | "3963256" | "4091953" | "4291829" | "4316540" | "4363821" | "4576389" | "4688675" | "4756420" | "5042674" | "5058763" | "5105947" | "5564805" | "5599031" | "5662223" | "5674546" | "5709008" | "5713509" | "5718168" | "5718350" | "5906291" | "5924572" | "6095533" | "6105980" | "6109456" | "6886694" | "6964423" | "6983946" | "7124891" | "7188745" | "7205016" | "7255231" | "7303075" | "7364172" | "8157094" | "8256242" | "8567795" | "8684372" | "8714568" | "8727163" | "8876145" | "8910955" | "9050852" | "9409585").PN. OR ("9522763").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:47
S39	56	("3376046").URPN.	USPAT	OR	OFF	2020/11/24 16:51
S40	40	("2885135" | "3376046" | "3539071" | "3568879" | "3987829" | "4174950" | "4765252" | "4844263" | "D248015").PN. OR ("D333094").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:53
S41	78	("0879455" | "20040134390" | "20040178208" | "20060254946" | "20060254947" | "20080017650" | "20100219193" | "2695115" | "2849151" | "3103278" | "3117692" | "3383009" | "3391824" | "3407758" | "3419184" | "3481502" | "3616943" | "3754645" | "3756396" | "3759416" | "3811747" | "3916803" | "3926321" | "3968879" | "4287997" | "4618059" | "4655360" | "4765252" | "4832200" | "4848605" | "4889235" | "5054617" | "5203494" | "5392945" | "5404829" | "5454477" | "5641090" | "5718350" | "5769230" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:54

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S42	4	B65D71/0088,0092,0096.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:55
S43	10	(("1261155") or ("1498377") or ("1826835") or ("1900980") or ("2400197")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:57
S44	3	("1498377").URPN.	USPAT	OR	OFF	2020/11/24 16:57
S45	0	("2830699").URPN.	USPAT	OR	OFF	2020/11/24 16:58
S46	1,656	(truck) and (tool adj box)	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 16:58
S47	10	("20030230909" | "20130021453" | "20140117062" | "3688954" | "4420238" | "4465187" | "5018779" | "6152513" | "6886876" | "D374654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:03
S48	127	B25H1/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:05
S49	118	B25H3/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
S50	7	B25H5/$.cpc. and (dovetail (dove adj tail))	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:06
S51	13	("20080087128" | "20080244888" | "20050265798" | "20020057952" | "20020131836" | "20140305217" | "20030116331" | "20100031487" | "20160176003" | "6172374" | "20080083128" | "5584818" | "5379510").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:07
S52	48	("20040188322" | "20160075010" | "20160194115" | "4863222" | "6082539" |	US-PGPUB;	OR	OFF	2020/11/24 17:10

		"7237673" | "8561679" | "8979100" | "D645663" | "9725209" | "20110155613" | "0263561" | "5570784" | "6349827" | "D563102" | "D648531" | "D781584" | "D528793" | "RE47022" | "4619363" | "8602217" | "20120152944" | "20150353231" | "5617953" | "8590704" | "8875888" | "D563671" | "5890613" | "6271320" | "6543613" | "6868967" | "7690856" | "8459495" | "8714355" | "D563670" | "5803254" | "7322470" | "9469024" | "20030094392" | "5887715" | "8322354" | "6889838" | "8505729" | "20020179473" | "4643494" | "5934466" | "7219969").PN.	USPAT; USOCR			
S53	14	("2016/0194115").URPN.	USPAT	OR	OFF	2020/11/24 17:10
S54	48	("0263561" | "20020179473" | "20030094392" | "20040188322" | "20110155613" | "20120152944" | "20150353231" | "20160075010" | "20160194115" | "4619363" | "4643494" | "4863222" | "5570784" | "5617953" | "5803254" | "5887715" | "5890613" | "5934466" | "6082539" | "6271320" | "6349827" | "6543613" | "6868967" | "6889838" | "7219969" | "7237673" | "7322470" | "7690856" | "8322354" | "8459495" | "8505729" | "8561679" | "8590704" | "8602217" | "8714355" | "8875888" | "8979100" | "9469024" | "9725209" | "D528793" | "D563102" | "D563670" | "D563671" | "D645663" | "D648531" | "D781584" | "RE47022").PN. OR ("10603783").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:11
S55	21	("20080000899" | "20090255092" | "4714158" | "8636169" | "20130021787" | "20060157373" | "7559514" | "20150021322" | "20140311926" | "0532324" | "20020179462" | "20160130034" | "4505506" | "5415277" | "4364150" | "6059109" | "20100176022" | "5423445" | "5609282" | "5904388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:12
S56	31	("1385484" | "2888970" | "3201035" | "4616752" | "6202847" | "6648390" | "6874634" | "7137522").PN. OR ("7690856").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:15
S57	7	("3201035").URPN.	USPAT	OR	OFF	2020/11/24 17:19
S58	24	(("0577452") or ("0895867") or ("1126977") or ("2199970") or ("2522483") or ("2563094")	US-PGPUB;	OR	OFF	2020/11/24 17:20

		or ("2703200") or ("2715559") or ("2974808") or ("3030163") or ("3081023") or ("3107012")).PN.	USPAT; USOCR			
S59	42	("2807387" | "3182856" | "4724756" | "5083664" | "5375709" | "5445269").PN. OR ("5934466").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:24
S60	23	("3182856" | "4293070" | "4404615" | "4427114" | "4553190" | "4557382" | "4561554" | "4886163" | "5107989" | "5180615" | "5244087").PN. OR ("5375709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26
S61	26	("3224822" | "3401993" | "3552817" | "3851936" | "3907116" | "4178047" | "4243279" | "4317603" | "4328902" | "4420196" | "5271515" | "5375709" | "5775046" | "6050657").PN. OR ("7350648").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:26
S62	151	("1409838" | "20010040080" | "20020074332" | "20020130005" | "20020185350" | "20030034215" | "20030034636" | "20040000457" | "20040004332" | "20040026199" | "20040074725" | "20040163910" | "20040211634" | "20040238303" | "20050077133" | "20050077706" | "20050098402" | "20050103590" | "20050150733" | "20050258621" | "20050285359" | "20060010644" | "20060086583" | "20060102677" | "20060163305" | "20060175170" | "20060196743" | "20060207848" | "20080060953" | "20080136133" | "20080223679" | "20080236972" | "20080308369" | "20080308370" | "20090057082" | "20090139813" | "20090160147" | "20090218187" | "20100000805" | "20100025174" | "20100095480" | "20100108452" | "20100147642" | "20100263977" | "20100307879" | "20100308563" | "20110247910" | "20120160617" | "20120261223" | "20150091264" | "20160045000" | "2454438" | "2602675" | "3131829" | "3178197" | "3317081" | "3659867" | "3842953" | "3891230" | "3974898" | "4087102" | "4314624" | "4335895" | "4575109" | "4588055" | "4673070" | "4917392" | "4953257" | "4969660" | "5072958" | "5105962" | "5127662" | "5263727" | "5310071" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:27

		"5348325" | "5533231" | "5628443" | "5630601" | "5749503" | "5803471" | "5815843" | "5873145" | "5984154" | "5984327" | "6016893" | "6042127" | "6047442" | "6141841" | "6179176" | "6182981" | "6186295" | "6196366" | "6196560" | "6213266" | "6213267" | "6237734" | "6260871" | "6279705" | "6289554" | "6305587" | "6360400" | "6367602" | "6401888" | "6401890" | "6409412" | "6454065" | "6471019" | "6474524").PN. OR ("6484362" | "6530507" | "6533086" | "6575493" | "6591950" | "6604617" | "6609271" | "6736073" | "6769701" | "6832670" | "6880685" | "6923352" | "6961976" | "6964420" | "7066311" | "7070190" | "7073694" | "7093700" | "7097181" | "7097183" | "7143912" | "7226073" | "7232018" | "7237660" | "7281616" | "7284304" | "7318507" | "7328779" | "7350648" | "7374183" | "7426985" | "7441785" | "7478803" | "7594569" | "7597341" | "7780026" | "8607947").PN. OR ("9888752").URPN.				
S63	19	("2010/0147642").URPN.	USPAT	OR	OFF	2020/11/24 17:28
S64	172	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 17:29

		"20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" | "20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617").PN. OR ("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" | "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" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D833744" | "D837515").PN. OR ("D897103").URPN.				
S65	9	("2018/0220758").URPN.	USPAT	OR	OFF	2020/11/24 17:30
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S67	51	("1575270" | "20020170933" | "20030141329" | "20050247653" | "20060237509" | "20080142462" | "20080179370" | "20080185353" | "20090145789" | "20090145866" | "20140075650" | "20170266804" | "2290468" | "2546720" | "2763377" | "2964196" | "3145031" | "3536286" | "4264013" | "4923202" | "4932576" | "5395023" | "5511705" | "5722576" | "5881891" | "5971242" | "6213365" | "6666465" | "6698632" | "6874624" | "7090075" | "7322482" | "7686196" | "7699197" | "7726495" | "7762440" | "8267260" | "8510868" | "9038869" | "D163637" | "D165553" | "D328681").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20
S68	18	("2715966" | "20050247653" | "4771897" | "5429252" | "5740927" | "5845792" | "6152312" | "6267338" | "6435357" | "6564949" | "6698603" | "6871749" | "7014052" | "7028854" | "7117998" | "6581788" | "5915573").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:20
S69	43	("2754974" | "4693381" | "4771897" | "4869378" | "5224609" | "5472167" | "5524772").PN. OR ("5740927").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:22
S70	17	("20130134193" | "20130269509" | "2783896" | "4776471" | "5078279" | "5438787" | "5740927" | "5762245" | "5791499" | "6546598" | "6572168" | "6626477" | "7047771").PN. OR ("8939335").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:23
S71	71	("2708088" | "3701436" | "3876079" | "4084735" | "4108313" | "4271997" | "4450989" | "4776471").PN. OR ("5078279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:24
S72	58	("0554252" | "1202588" | "1951255" | "20050133473" | "20060113341" | "20060288625" | "20070170129" | "20110168649" | "20120228243" | "2783896" | "2958422" | "2987285" | "4113107" | "4132315" | "4141452" | "4174042" | "4461385" | "4776471" | "4936531" | "4982522" | "4986427" | "5062184" | "5078279" | "5222701" | "5265950" | "5524772" | "5806691" | "5979846" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:26

		"6129252" | "6427497" | "6929233" | "6935065" | "6986446" | "7267353" | "7467719" | "7478892" | "7770740" | "8444034" | "D611558").PN. OR ("8678206").URPN.				
S73	32	("0670870" | "2724881" | "3069538" | "3197830" | "3421187" | "3463436" | "3746294" | "3888440" | "3894707" | "4391376" | "4638966" | "4768741" | "5062184").PN. OR ("5222701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:29
S74	32	("2653686" | "3154281" | "3253084" | "3632071" | "3807675" | "3809799" | "3894706" | "3913876" | "3917202" | "3985275" | "4023758").PN. OR ("4391376").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:31
S75	18	("20140259566" | "2384158" | "3226069" | "3633857" | "3894707" | "4391376" | "4524937" | "5098054" | "5105509" | "5487518" | "5906302" | "7261256" | "8413933" | "9127807" | "9303792" | "D343975").PN. OR ("10758065").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:31
S76	39	("2937766" | "3319983" | "4955573" | "5020760" | "5190260").PN. OR ("5487518").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:33
S77	26	("20020125389" | "20040051015" | "20040238702" | "2908471" | "3695569" | "3702591" | "3774788" | "4071216" | "4306702" | "5078279" | "5351842" | "D373719").PN. OR ("8500078").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:41
S78	24	("2651710" | "3403641" | "3526934" | "3756637" | "4199070" | "4460141" | "4819309" | "4953146" | "5058843" | "5794897" | "5941483" | "6079673" | "6357194" | "6783101" | "7007900" | "7484698" | "8342474" | "8500078").PN. OR ("9267624").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:42
S79	53	("20040056156" | "20080296443" | "20090218451" | "20090277524" | "4618114" | "4919372" | "5123547" | "5794897" | "5921509" | "6053456" | "6227502" | "6378811" | "6378813" | "6561466" | "6715247" | "6889944" | "7281356").PN. OR ("8342474").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:43
S80	31	("20050211463" | "3125196" | "3523667" | "3526934" | "3765629" | "3856246" | "4093076" | "4336673" | "4601447" | "4618114" | "4856658" | "5104072" | "5642612" | "5791607" | "5823484" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:44

		"5829243" | "5855279" | "6375129" | "6378811" | "6513781" | "6889944" | "7467767" | "7497718" | "7686259" | "7802680" | "7828251" | "8074945" | "8079552").PN.				
S81	22	("4410095" | "4770297" | "5351417" | "5484057" | "5595294" | "6047827" | "7395984").PN. OR ("7802680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:45
S82	126	("0136905" | "0177936" | "0327939" | "0342194" | "0543735" | "0570465" | "0632234" | "0687431" | "0724427" | "0754503" | "0764774" | "0888032" | "0914469" | "1653374" | "1848937" | "1936813" | "20040020880" | "20040108734" | "20060022105" | "20070251904" | "20080053931" | "20080169395" | "20080179898" | "20100264102" | "20110042333" | "20120012726" | "20120111814" | "20120152871" | "20120181244" | "20150250333" | "20170127867" | "2141009" | "2273641" | "2309990" | "2344339" | "2369336" | "2447128" | "2485201" | "2754974" | "2842264" | "2919881" | "3285426" | "3289994" | "3343684" | "3612426" | "4308961" | "4609233" | "4658967" | "4750698" | "4773172" | "4775127" | "4882868" | "4905846" | "4936469" | "5060897" | "5080238" | "5104083" | "5154304" | "5312081" | "5348167" | "5398820" | "5433413" | "5441161" | "5480206" | "5584462" | "5584521" | "5727698" | "5853092" | "5897002" | "5906403" | "6257409" | "6283311" | "6289618" | "6299000" | "6349909" | "6427500" | "6557807" | "6604637" | "6607234" | "6637707" | "6789771" | "6886791" | "6932223" | "6935518" | "7040125" | "7228977" | "7427053" | "7658265" | "7694933" | "7802680" | "8550265" | "9339130" | "D043289" | "D175455" | "D855408").PN. OR ("10729244").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:46
S83	20	("0488851" | "1045932" | "20020070136" | "20020104709" | "20050258002" | "5370263" | "5433413" | "5673885" | "5782314" | "5873433" | "5950972" | "7032711" | "7063187").PN. OR ("7658265").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:48
S84	8	("20070284191" | "20090127146" | "4653713" | "6138963" | "6401862" |	US-PGPUB;	OR	OFF	2020/11/24 22:49

		"6997282" | "7540560" | "7658265").PN. OR ("10184292").URPN.	USPAT; USOCR			
S85	76	("1858656" | "2308180" | "2444096" | "2798652" | "3495683" | "3631572" | "3915189" | "4261435" | "4300740" | "4428458" | "4480810").PN. OR ("4653713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:50
S86	51	("1794700" | "20020017430" | "20050258002" | "20070181367" | "20090078504" | "20090179125" | "3477679" | "3915189" | "4176580" | "4653713" | "4858869" | "5035389" | "5240214" | "5259480" | "5358070" | "5370263" | "5433416" | "5503245" | "5547080" | "5573081" | "5584357" | "5622278" | "5740883" | "5782314" | "5899420" | "5924615" | "6401862" | "6412601" | "6443260" | "6467577" | "6827215" | "6837383" | "7032711" | "7270307").PN. OR ("8453796").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:53
S87	42	("4211455" | "4303158" | "4437568" | "4703850" | "4911296" | "4928823" | "5370263" | "5547080" | "5725096" | "5727649" | "5749437" | "5901998" | "5913380" | "5924615" | "5951129" | "5971101" | "6095156").PN. OR ("6837383").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:55
S88	19	("2835503" | "3084463" | "4828120" | "6189248" | "6220461" | "6264220" | "6367752" | "6698701" | "6712324" | "6837383" | "7798336").PN. OR ("8517320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:56
S89	147	("1855314" | "1869901" | "1879332" | "1900868" | "20030106498" | "20030192480" | "20040112258" | "20050072894" | "20050115508" | "20050246989" | "20050279898" | "20060011142" | "20060042549" | "20060196436" | "20070028854" | "20080023479" | "20080179265" | "20080190372" | "20080237434" | "20090001231" | "20100107984" | "20100162961" | "20110049065" | "20110114025" | "20120325158" | "20130334377" | "20140346293" | "20150122185" | "20190053623" | "2555396" | "2845896" | "3099355" | "3260559" | "3630385" | "3669035" | "3698594" | "3776193" | "4044723" | "4065195" | "4205629" | "4261294" | "4329003" | "4498654" | "4532891" | "4587930" | "4699089" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 22:57

		"4798170" | "4843977" | "4919498" | "4976223" | "4986332" | "5000124" | "5054431" | "5144912" | "5152247" | "5226625" | "5435266" | "5501176" | "5718493" | "5730081" | "5802647" | "5855184" | "5870969" | "6098941" | "6131521" | "6161486" | "6189489" | "6199510" | "6209487" | "6308641" | "6382578" | "6394001" | "6409137" | "6427626" | "6516948" | "6526911" | "6705249" | "6729685" | "6901880" | "6945194" | "7077372" | "7124709" | "7261264" | "7284500" | "7314023" | "7341019" | "7395765" | "7513219" | "7530329" | "7614363" | "7665417" | "7748538" | "7802327" | "7837165" | "7938083" | "7963231" | "8146534" | "8148651" | "8245992" | "8308115" | "8342129" | "8381661" | "8443736" | "8517320" | "8671598" | "8672172" | "8684195" | "8776725" | "8807082" | "8833305" | "8893657" | "9284776" | "D209754" | "D209755" | "D213377" | "D213378").PN. OR ("D216989" | "D229073" | "D357557" | "D358233" | "D375818" | "D421160" | "D424758" | "D424759" | "D491697" | "D506295" | "D622013" | "D657920" | "D662265" | "D676612" | "D695974").PN. OR ("10412929").URPN.				
S90	26	("1900868" | "20030116094" | "20040144330" | "20090015121" | "20130145990" | "2555396" | "2659345" | "2800380" | "2997022" | "3606506" | "3743372" | "4231626" | "4634193" | "5144912" | "5152247" | "5222990" | "5435266" | "7458338" | "8342129").PN. OR ("8893657").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:00
S91	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:03
S92	34	("3514170" | "3552817" | "3743372" | "3999818" | "5046789" | "5454634" | "5704699" | "5775046" | "6003924" | "6015050" | "6027188" | "6050657" | "6488346").PN. OR ("7100999").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:06
S93	102	("3468081" | "3668832" | "3836217" | "4003172" | "4095769" | "4243279" | "4413867" | "4423913" | "4577914" | "4768298" | "4867513" | "5046789" |	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:09

		"5267863" | "D334704" | "D337653").PN. OR ("5775046").URPN.				
S94	42	("1520518" | "1870978" | "20040198141" | "3241885" | "3415007" | "3669033" | "3966337" | "4039133" | "4163537" | "4212130" | "4216729" | "4223945" | "4270302" | "4915034" | "5226864" | "5715760" | "5775046" | "5813737" | "5899423" | "5988077" | "6220180" | "6283042" | "6341566" | "6382109" | "8191488" | "D370045").PN. OR ("8316781").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:14
S95	41	("20040226901" | "20070023464" | "2100421" | "2996192" | "3172540" | "3452959" | "3497079" | "3799357" | "4480755" | "4509648" | "4516681" | "4932538" | "5083668" | "5775046" | "5927517" | "5944203" | "6015124" | "6062399" | "6481584" | "6491172" | "6929131" | "6945414").PN. OR ("7798338").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:17
S96	159	("20010047971" | "20030189019" | "2029089" | "3192667" | "3204776" | "3310271" | "3469710" | "3698565" | "3733756" | "4223488" | "4229913" | "4323163" | "4420087" | "4438604" | "4450970" | "4572381" | "4579308" | "4589557" | "4591058" | "4593824" | "4598504" | "4602756" | "4607753" | "4615448" | "4629076" | "4638618" | "4674240" | "4677794" | "4805783" | "4805784" | "4809479" | "4811475" | "4825601" | "4826022" | "4891897" | "4932538" | "4944416" | "4961295" | "5138803" | "5142832" | "5185971" | "5228579" | "5241796" | "5337525" | "5360121" | "5375802" | "5412912" | "5429252" | "5477969" | "5484067" | "5547156" | "5582376" | "5655674" | "5671852" | "5697507" | "5740927" | "5791093" | "5819490" | "5857577" | "5899344" | "5941026" | "5944203" | "6050426" | "6068135" | "6116435" | "6119784" | "6119878" | "6123154" | "6134846" | "6164467" | "6199705" | "6209730" | "6276034" | "6299001" | "6311854" | "6325223" | "6349507" | "6363645" | "6591996").PN. OR ("6945414").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:18
S97	20	("20060243766" | "20070094955" | "20100307649" | "20130081233" |	US-PGPUB;	OR	OFF	2020/11/24 23:20

		"20130193179" | "20140374564" | "2920767" | "3605637" | "4256424" | "4687094" | "4708311" | "5083668" | "5674033" | "6824028" | "6945414" | "7261264" | "7392912" | "8613564").PN. OR ("10683963").URPN.	USPAT; USOCR			
S98	39	("20050072746" | "3200960" | "4094415" | "4509648" | "4826022" | "5109993" | "5154304" | "5316252" | "5484067" | "5595309" | "5927517" | "6068135" | "6070747" | "6481584" | "6491172" | "6536613" | "6561474" | "6575314" | "6644483" | "6675978").PN. OR ("7392912").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:23
S99	54	("1787734" | "2997270" | "3229944" | "3278146" | "4204602" | "4909464" | "5056668" | "5069416" | "Re33596").PN. OR ("5316252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/24 23:25
S100	9	("2997270").URPN.	USPAT	OR	OFF	2020/11/24 23:27
S101	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	OFF	2020/11/25 00:00
S102	14	("3899229" | "4054344" | "4087145" | "4216857" | "4243279" | "D238401" | "D247794").PN. OR ("D285986").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 00:01
S103	58	("3552817").URPN.	USPAT	OR	OFF	2020/11/25 11:50
S104	83	("2842420" | "2998128" | "3032381" | "3294463" | "3501044" | "3552817").PN. OR ("3743372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:49
S105	66	("2128854" | "3743372").PN. OR ("4863222").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 18:50
S106	6	(("0460177") or ("1294446") or ("2568147")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:00
S107	9	("1294446").URPN.	USPAT	OR	OFF	2020/11/25 19:01
S108	61	("0722828" | "2473951" | "2584050" | "4059248" | "4141524" | "4432525" |	US-PGPUB;	OR	OFF	2020/11/25 19:27

		"4653713" | "4805859" | "4819922" | "4874147" | "4967929" | "4986505" | "5007612" | "5009380").PN. OR ("5240214").URPN.	USPAT; USOCR			
S109	52	("2476134" | "2512934" | "4095364" | "4382733" | "4700923").PN. OR ("4805859").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:29
S110	60	("4132380" | "4307864" | "4524938" | "4974798").PN. OR ("5035389").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:31
S111	19	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:34
S112	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:35
S113	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:37
S114	56	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:40
S115	8	("2017/0138382").URPN.	USPAT	OR	OFF	2020/11/25 19:53
S116	84	("2461526" | "3078484" | "3114486" | "3233803" | "3749294" | "3902640" | "3915189" | "4082208" | "4287997" | "4307826" | "4366922" | "4424841" | "4491258" | "4545414" | "4673070" | "4790432" | "4813542" | "4884731" | "5131576" | "5184763" | "5321904" | "5419473").PN. OR ("5628443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 19:58
S117	67	("3194426" | "3642337" | "4192562" | "4893719" | "5263576" | "5299688" | "5310071").PN. OR ("5890613").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:23

S118	609	224/583,645,629,665.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S119	301	150/113.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S120	552	190/110.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 20:24
S121	14	("2009/0145866").URPN.	USPAT	OR	OFF	2020/11/25 22:27
S122	12	("20110139777" | "5301829" | "5427265" | "8602217").PN. OR ("9701443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 22:30
S123	17	("4181349" | "4188058" | "4911493" | "5131709" | "5137322" | "5154478" | "5421634" | "5722711" | "D271009").PN. OR ("6017075").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:10
S124	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:22

		US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$				

		or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$				

		or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				

S125	1,179	B25H3/02.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S126	570	220/4.27.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S127	1,079	B65D21/0223,0209,0228.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S128	2,226	A45C5/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S129	91	A45C7/005.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S130	3,366	A45C13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:23
S131	431	A45F3/10.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S132	935	B25H1/04.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S133	199	B25H3/021.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S134	1,147	B62B1/14.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S135	377	A45C7/0045.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S136	473	B25H3/023.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24

S137	959	B62B5/067.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S138	42	B65D2255/00.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S139	206	B65H2701/533.cpc.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/25 23:24
S140	16	("3187924" | "5743416" | "D582190" | "4848574" | "3563394" | "4126366" | "6206189" | "6786341" | "20050189308" | "5497877" | "4993583" | "3252614" | "3347394").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:46
S141	40	("3000684" | "3002630" | "3542446" | "3734526" | "4222544" | "4240684" | "4429850" | "4457527" | "4458963" | "4509648" | "4653638" | "4681233" | "4706918" | "4744613" | "4880192" | "5188242" | "5246286" | "5360121" | "5370263" | "7209098" | "D303306").PN. OR ("5437502").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 00:54
S142	26	("3182856").URPN.	USPAT	OR	OFF	2020/11/26 19:24
S143	317	(US-20190225371-$ or US-20180161975-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20190315515-$ or US-20190291922-$ or US-20170318927-$ or US-20160144500-$ or US-20160008972-$ or US-20140062281-$ or US-20180044059-$ or US-20150376917-$ or US-20120152944-$ or US-20110181008-$ or US-20110049824-$ or US-20090236255-$ or US-20040134818-$ or US-20060027475-$ or US-20060012139-$ or US-20120326406-$ or US-20160023349-$ or US-20150241107-$ or US-20140014669-$).did. or (US-20040195793-$ or US-20100219193-$ or US-20040134390-$ or US-20200353612-$ or US-20200238920-$ or US-20200223349-$ or US-20200165036-$ or US-20190381959-$ or US-20160059906-$ or US-20180326572-$ or US-20180312115-$ or US-20030230909-$ or US-20170320209-$ or US-20160256995-$ or US-20160176003-$ or US-20190168376-$ or US-20160194115-$ or US-20160130034-$ or US-20150021322-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57

		20030094392-$ or US-20110247910-$ or US-20100147642-$ or US-20150274362-$ or US-20150069962-$ or US-20170266804-$ or US-20090145866-$ or US-20050247653-$).did. or (US-20070170129-$ or US-20140259566-$ or US-20080296443-$ or US-20170127867-$ or US-20120111814-$ or US-20080169395-$ or US-20080053931-$ or US-20060022105-$ or US-20040020880-$ or US-20090179125-$ or US-20020017430-$ or US-20190053623-$ or US-20080237434-$ or US-20050279898-$ or US-20050072894-$ or US-20130145990-$ or US-20130193179-$ or US-20100307649-$ or US-20170138382-$ or US-20170121056-$ or US-20140161518-$ or US-20110139665-$ or US-20080104921-$ or US-20050139745-$ or US-20030205877-$ or US-20030184034-$ or US-20050242144-$).did. or (US-20020020729-$ or US-20200243925-$ or US-20170166352-$ or US-20090127146-$ or US-20180127007-$ or US-20180111635-$ or US-20130269844-$ or US-20190000199-$ or US-20120152800-$ or US-20120074158-$ or US-20110073516-$ or US-20180229889-$ or US-20170320621-$ or US-20100052276-$).did. or (US-10829269-$ or US-D898320-$ or US-D895966-$ or US-10583962-$ or US-D803560-$ or US-10703534-$ or US-D876833-$ or US-9393684-$ or US-8851282-$ or US-8789699-$ or US-7503569-$ or US-10793172-$ or US-RE47022-$ or US-9050992-$ or US-7367571-$ or US-6170839-$ or US-3711110-$ or US-10071303-$ or US-10843863-$ or US-9500400-$ or US-9522763-$ or US-10093335-$ or US-9409585-$ or US-6095533-$ or US-5599031-$ or US-3376046-$).did. or (US-10044203-$ or US-6193247-$ or US-D349994-$ or US-D333094-$ or US-9802741-$ or US-7537119-$ or US-8851287-$ or US-9994375-$ or US-5100076-$ or US-1498377-$ or US-3557990-$ or US-D374654-$ or US-D882952-$ or US-D880859-$ or US-10603783-$ or US-5609282-$ or US-5423445-$ or US-9725209-$ or US-9469024-$ or US-8979100-$ or US-8590704-$ or US-7690856-$ or US-10829268-$ or US-D873017-$ or US-8540326-$ or US-8322354-$ or US-8262993-$).did. or (US-3201035-$ or US-8490810-$ or US-8342329-$ or US-3081023-$ or US-3030163-$ or US-7322470-$ or US-6082539-$ or US-5934466-$ or US-9132543-$ or US-8590726-$ or US-8210387-$ or US-5375709-$ or US-10723502-$ or US-7350648-$ or US-				

		10219400-$ or US-9888752-$ or US-D897103-$ or US-4643494-$ or US-5740927-$ or US-9975237-$ or US-8939335-$ or US-10137839-$ or US-5078279-$ or US-10709238-$ or US-8678206-$ or US-D817026-$ or US-5524772-$).did. or (US-5222701-$ or US-4391376-$ or US-10758065-$ or US-9303792-$ or US-9127807-$ or US-5906302-$ or US-5487518-$ or US-10206502-$ or US-9828073-$ or US-5996949-$ or US-D343975-$ or US-5586739-$ or US-8500078-$ or US-9267624-$ or US-8342474-$ or US-8074945-$ or US-7802680-$ or US-10729244-$ or US-7658265-$ or US-10450799-$ or US-10184292-$ or US-7540560-$ or US-6401862-$ or US-4653713-$ or US-10500714-$ or US-10365032-$ or US-8453796-$).did. or (US-9850706-$ or US-9714542-$ or US-7270307-$ or US-6837383-$ or US-9596930-$ or US-8517320-$ or US-10412929-$ or US-8893657-$ or US-4634193-$ or US-4231626-$ or US-3743372-$ or US-D714554-$ or US-7866769-$ or US-7100999-$ or US-10286542-$ or US-9526333-$ or US-9510678-$ or US-9185975-$ or US-6050657-$ or US-6027188-$ or US-5775046-$ or US-10842264-$ or US-10676874-$ or US-10555605-$ or US-10501929-$ or US-9661944-$ or US-9108764-$).did. or (US-8662120-$ or US-8316781-$ or US-9615671-$ or US-7798338-$ or US-6945414-$ or US-10683963-$ or US-7392912-$ or US-10285515-$ or US-5316252-$ or US-10029275-$ or US-3278146-$ or US-1787734-$ or US-7261264-$ or US-6824028-$ or US-4932538-$ or US-4480755-$ or US-7565746-$ or US-7410289-$ or US-6558222-$ or US-6357194-$ or US-6241248-$ or US-6059631-$ or US-5993283-$ or US-4243279-$ or US-D285986-$ or US-3999818-$ or US-3758181-$).did. or (US-3514170-$ or US-3203744-$ or US-4003172-$ or US-5454634-$ or US-5046789-$ or US-8894160-$ or US-4863222-$ or US-3851936-$ or US-3552817-$ or US-3606506-$ or US-2800380-$ or US-1294446-$ or US-5240214-$ or US-8991639-$ or US-4805859-$ or US-5035389-$ or US-10017134-$ or US-8448829-$ or US-6036071-$ or US-5653366-$ or US-5332183-$ or US-5282554-$ or US-5105958-$ or US-4929973-$ or US-5957421-$ or US-7699197-$ or US-1794700-$).did. or (US-6637707-$ or US-4856658-$ or US-6698632-$ or US-5881891-$ or US-5628443-$ or US-10230077-$ or US-8967379-				

		$ or US-7900757-$ or US-6726075-$ or US-4673070-$ or US-3974898-$ or US-5890613-$ or US-6899346-$ or US-9701443-$ or US-1531542-$ or US-6017075-$ or US-5899544-$ or US-5183307-$ or US-4752095-$ or US-5271515-$ or US-4782619-$ or US-9551367-$ or US-9375835-$ or US-5437502-$ or US-6253948-$ or US-8813960-$).did. or (US-2830699-$ or US-2563094-$ or US-3278146-$ or US-2997270-$ or US-D238401-$ or US-3514170-$ or US-3552817-$ or US-1294446-$ or US-3182856-$).did.				
S144	3	(("5628443") or ("3743372") or ("4805859")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 21:57
S145	39	(US-20200243925-$ or US-20200165036-$ or US-20190225371-$ or US-20190168376-$ or US-20180161975-$ or US-20170266804-$ or US-20170166352-$ or US-20170138382-$ or US-20170121056-$ or US-20160194115-$ or US-20160144500-$ or US-20160130034-$ or US-20140161518-$ or US-20130269844-$ or US-20130193179-$ or US-20120152800-$ or US-20120074158-$ or US-20110139665-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20050139745-$).did. or (US-5628443-$ or US-4805859-$ or US-3743372-$ or US-10758065-$ or US-10017134-$ or US-9132543-$ or US-8448829-$ or US-8316781-$ or US-6726075-$ or US-6698632-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-D343975-$ or US-5282554-$ or US-3514170-$).did.	US-PGPUB; USPAT	OR	OFF	2020/11/26 22:05
S146	430	(US-20200299027-$ or US-20200243925-$ or US-20180186513-$ or US-20180099405-$ or US-20160221177-$ or US-20150034515-$ or US-20120292213-$ or US-20030094393-$ or US-20020125072-$ 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-20160168880-$ or US-20160144500-$ or US-20160130034-$ or US-20160023349-$ or US-20150376917-$ or US-20150274362-$ or US-20140166516-$).did. or (US-20140161518-$ or US-20140076759-$ or US-20130223971-$ or US-20130154218-$ or US-20130127129-$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05

		20130121783-$ or US-20130068903-$ or US-20130031732-$ or US-20130031731-$ or US-20130024468-$ or US-20120326406-$ or US-20120207571-$ or US-20120180250-$ or US-20120160886-$ or US-20110220531-$ or US-20110181008-$ 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-$).did. or (US-20090145790-$ or US-20090071990-$ or US-20090026901-$ or US-20080308369-$ 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-20050139745-$ or US-20050104308-$ or US-20050062244-$ or US-20040206656-$ or US-20040195793-$ or US-20040103494-$).did. or (US-20030205877-$ or US-20030184034-$ or US-20030146589-$ or US-20030115715-$ or US-20020171228-$ or US-20020000440-$ or US-20200165036-$ or US-20200147781-$ or US-20200055534-$ or US-20190225371-$ or US-20190106244-$ or US-20190039781-$ or US-20190031222-$ or US-20190002004-$ or US-20180290288-$ or US-20180220758-$ or US-20180161975-$ or US-20180153312-$ or US-20180044059-$ or US-20170349013-$).did. or (US-D895375-$ 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-10583962-$ or US-D873085-$ or US-D857387-$ or US-D845081-$ or US-D845080-$ or US-D839681-$ or US-D836995-$ or US-D831352-$ or US-10106180-$ or US-D806483-$ or US-D803631-$ or US-9725209-$ or US-D784089-$ or US-D777426-$ or US-9506489-$).did. or (US-D753396-$ or US-D738105-$ or US-D649350-$ or US-D536580-$ or US-D527225-$ or US-6305498-$ or US-D420860-$ or US-D415393-$ or US-D361511-$ or US-D352208-$ or US-D340167-$ or US-D326815-$ or US-D325324-$ or US-5098235-$ or US-D319016-$ or US-4971201-$ or US-D232798-$ or US-				

		3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$).did. or (US-10434638-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$ or US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ or US-0220758-$ or US-0220531-$ or US-0219193-$ or US-0217464-$ or US-0207571-$).did. or (US-0206656-$ or US-0205877-$ or US-0195793-$ or US-0194543-$ or US-0186624-$ or US-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ 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-$).did. or (US-0145866-$ 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-0127129-$ 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-0090616-$ or US-0076759-$ or US-0073516-$ or US-0071990-$ or US-0068903-$ or US-0068757-$).did. or (US-0062244-$ or US-0055534-$ or US-0052276-$ or US-0044059-$ or US-0039781-$ or US-0038367-$ or US-0031732-$ 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-D871013-$ or US-D815831-$ or US-D814187-$ or US-9872562-$ or US-9750543-$ or US-9701443-$ or US-9643629-$ or US-9616562-$ or US-9566990-$ or US-9511491-$ or US-9132543-$).did. or (US-8985922-$ 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-				

		D661858-$ or US-8191910-$ or US-8177463-$ or US-8132819-$ or US-8028845-$ or US-7841144-$ or US-7780026-$ or US-7779764-$ or US-7658887-$ or US-7503569-$ or US-7367571-$ or US-7263742-$ or US-7212840-$ or US-7147243-$ or US-7066475-$).did. or (US-7044484-$ 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-6371320-$ or US-6367631-$ or US-6347847-$ or US-6176559-$ or US-6109627-$ or US-6085925-$ or US-6050660-$ or US-5988473-$ or US-5951037-$ or US-5797617-$ or US-5628443-$ or US-5608603-$ or US-5595228-$ or US-5538213-$ or US-5429260-$ or US-5301829-$ or US-5240264-$).did. or (US-5105947-$ or US-5035445-$ or US-4168076-$ or US-3974898-$ or US-3506321-$ or US-3117692-$).did. or (US-D232798-$ or US-3225865-$ or US-0299027-$ or US-0292213-$ or US-0243925-$ or US-0221177-$ or US-0186513-$ or US-0125072-$ or US-0099405-$ or US-0094393-$ or US-0034515-$ 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-0290288-$ or US-0277221-$ or US-0274362-$ or US-0271616-$ or US-0271280-$ or US-0266804-$).did. or (US-0257958-$ or US-0254946-$ or US-0239808-$ or US-0236482-$ or US-0225371-$ or US-0223971-$ 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-0184034-$ or US-0181008-$ or US-0180250-$ or US-0178946-$ or US-0174392-$ or US-0171228-$ or US-0169739-$ or US-0168880-$ or US-0166516-$ or US-0166352-$ or US-0165828-$).did. or (US-0165036-$ 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-0127129-$ or US-0121783-$ or US-0121547-$ or US-0121056-$ or US-0119060-$ or US-0115715-$).did. or (US-0115312-$ or US-0106244-$ or				

		US-0104921-$ or US-0104308-$ or US-0103494-$ or US-0090616-$ or US-0076759-$ 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-0031732-$ 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-$).did. or (US-3506321-$ or US-3117692-$).did.				
S147	24	S145 not S146	US-PGPUB; USPAT; USOCR	OR	OFF	2020/11/26 22:05
S148	26	("3334953" | "4249684" | "4938398" | "4993771" | "5255832" | "5395019").PN. OR ("5653366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:29
S149	7	("3334953").URPN.	USPAT	OR	ON	2021/03/04 18:30
S150	42	("0613226" | "0637733" | "0767823" | "3613970" | "3955729" | "4056219" | "4260086" | "4315583" | "4366922" | "4415105" | "4440332" | "4542839" | "4638933" | "4730758" | "4981243" | "5024359" | "5105958").PN. OR ("5282554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:35
S151	19	("1446036" | "3881677" | "5035389" | "5226625" | "5282554" | "5294012" | "5356105" | "6637707" | "6824114").PN. OR ("7837165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:36
S152	97	("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	2021/03/04 18:38
S153	184	("10434638" | "20020000440" | "20020171228" | "20030115715" | "20030146589" | "20030184034" | "20030205877" | "20040103494" | "20040195793" | "20040206656" | "20050062244" | "20050104308" | "20050139745" | "20060006770" | "20060027475" | "20060038367" | "20060119060" | "20060186624" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 18:38

		"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" | "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.				
S154	8	("2019/0225371").URPN.	USPAT	OR	ON	2021/03/04 19:01
S155	172	("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" | "20110139665" | "20110155613" | "20110181008" | "20110220531" | "20120160886" | "20120180250" | "20120207571" | "20120326406" | "20130024468" | "20130031731" | "20130031732" | "20130121783" | "20130127129" | "20130223971" | "20140161518" | "20140166516" | "20150376917" | "20160023349" | "20160130034" | "20160144500" | "20160168880" | "20170121056" | "20170138382" | "20170165828" | "20170166352" | "20170174392" | "20170217464" | "20170239808" | "20170257958" | "20170266804" | "20170318927" | "20180044059" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:02

		"20180161975" | "20180186513" | "20180220758" | "20180290288" | "20190002004" | "20190039781" | "20190106244" | "20190225371" | "2042387" | "2430200" | "2970358" | "3117692" | "3506321" | "3974898" | "4168076" | "5035445" | "5105947" | "5240264" | "5301829" | "5429260" | "5595228" | "5608603" | "5628443" | "5797617").PN. OR ("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" | "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" | "D525789" | "D630851" | "D653832" | "D661858" | "D663952" | "D664354" | "D674605" | "D701696" | "D738106" | "D753394" | "D753395" | "D765974" | "D770179" | "D790221" | "D814187" | "D816334" | "D826510" | "D833744" | "D837515").PN. OR ("D897103").URPN.				
S156	8	("2017/0138382").URPN.	USPAT	OR	ON	2021/03/04 19:03
S157	26	("2003/0205877").URPN.	USPAT	OR	ON	2021/03/04 19:05
S158	34	("1787734" | "2174140" | "3543432" | "3622116" | "3802652" | "3870259" | "4088848" | "4157803" | "4176580" | "4468878" | "5014458" | "5063702" | "5086958" | "5321904" | "5463973" | "6637707").PN. OR ("7172164").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:18
S159	16	("7172164" | "7673838" | "D321885" | "D329192" | "D411931" | "D551008" | "D572117" | "D635008").PN. OR ("D753982").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19
S160	34	("0606208" | "10258136" | "1252207" | "20030218110" | "20060186304" | "20060261223" | "20080083865" | "20100090857" | "3529799" | "3622116" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:19

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S161	5	("2006/0186304").URPN.	USPAT	OR	ON	2021/03/04 19:20
S162	86	("20060186304" | "20070039907" | "20080209698" | "20080237282" | "20130168429" | "20130232840" | "3878589" | "3912216" | "4132335" | "4419794" | "4458872" | "5014892" | "5054170" | "5549234" | "5605313" | "5687942" | "5850954" | "6142892" | "6866940" | "7594632" | "8303226" | "8544805" | "9683696" | "D139216" | "D197188" | "D235308" | "D239593" | "D243190" | "D244508" | "D246346" | "D252851" | "D262688" | "D272044" | "D272211" | "D295369" | "D298604" | "D303716" | "D310479" | "D313740" | "D324991" | "D329192" | "D408267" | "D409079" | "D409663" | "D410032" | "D414207" | "D428058" | "D438536" | "D452081" | "D454591" | "D465147" | "D492187" | "D507959" | "D511088" | "D547637" | "D560221" | "D567740" | "D572117" | "D572122" | "D607711" | "D623046" | "D623507" | "D685991" | "D704035" | "D732929" | "D753982" | "D817152" | "D818801" | "D819428" | "D829079").PN. OR ("D847609").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:20
S163	15	("5026016" | "5433416" | "6176641" | "6200062" | "8474768" | "8544805" | "D329192" | "D547637" | "D604149" | "D635008" | "D658972").PN. OR ("D704035").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:22
S164	18	("2793407" | "3090086" | "3547472" | "4014618").PN. OR ("6200062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:23
S165	23	("2793407").URPN.	USPAT	OR	ON	2021/03/04 19:24
S166	8	(("0593330") or ("1182610") or ("1265113") or ("2457002")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2021/03/04 19:25

S167	43	("1949114" | "2244427").PN. OR ("D329192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:28
S168	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" | "7172164" | "7261264" | "7270309" | "7594823" | "7673838" | "7726706" | "8215605" | "8292521" | "8333353" | "D329192" | "D380219" | "D658972").PN. OR ("8544805").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:30
S169	23	("4098423" | "4216857" | "4561544" | "4612603" | "4627589").PN. OR ("4747570").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/04 19:34
S170	49	(US-20190168376-$ or US-20120074158-$ or US-20090127146-$ or US-20080296443-$ or US-20050242144-$ or US-20190225371-$ or US-20170138382-$ or US-20070090616-$ or US-20050139745-$ or US-20180290288-$ or US-20060186304-$ or US-20100054724-$ or US-20070170330-$).did. or (US-10758065-$ or US-8448829-$ or US-5957421-$ or US-5890613-$ or US-5775046-$ or US-5653366-$ or US-5282554-$ or US-4805859-$ or US-3743372-$ or US-3514170-$ or US-5628443-$ or US-6666362-$ or US-7837165-$ or US-6637707-$ or US-D898320-$ or US-7172164-$ or US-D753982-$ or US-10400949-$ or US-D847609-$ or US-D704035-$ or US-D818801-$ or US-D547637-$ or US-6200062-$ or US-2793407-$ or US-10138917-$ or US-4019298-$).did. or (US-3589755-$ or US-5433416-$ or US-D329192-$ or US-5026016-$ or US-9683696-$ or US-8544805-$ or US-8215605-$ or US-7261264-$ or US-4747570-$ or US-D380219-$).did.	US-PGPUB; USPAT	OR	ON	2021/03/08 23:29
S171	17	("10758065" | "20050242144" | "20080296443" | "20090127146" | "20120074158" | "20190168376" | "3514170" | "3743372" | "4805859" | "5282554" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29

		"5628443" | "5653366" | "5775046" | "5890613" | "5957421" | "8448829").PN.				
S172	33	S170 not S171	US-PGPUB; USPAT; USOCR	OR	ON	2021/03/08 23:29
S173	76	(US-0014949-$ | US-0025706-$ | US-0029543-$ | US-0031975-$ | US-0039831-$ | US-0069832-$ | US-0080432-$ | US-0094392-$ | US-0123478-$ | US-0139777-$ | US-0151427-$ | US-0152944-$ | US-0223585-$ | US-0224528-$ | US-0229889-$ | US-0346819-$ | US-1084360-$ | US-10603783-$ | US-10703534-$ | US-10750833-$ | US-10793172-$ | US-10829269-$ | US-10933501-$ | US-10981696-$ | US-20030094392-$ | US-20100224528-$ | US-20110139777-$ | US-20120080432-$ | US-20120152944-$ | US-20140069832-$ | US-20140123478-$ | US-20150014949-$ | US-20150151427-$ | US-20180229889-$ | US-20200029543-$ | US-20200223585-$ | US-20200346819-$ | US-20210025706-$ | US-20210031975-$ | US-20210039831-$ | US-3424334-$ | US-3999818-$ | US-4122925-$ | US-4243279-$ | US-4673070-$ | US-5325966-$ | US-5375709-$ | US-5429235-$ | US-6082539-$ | US-6889838-$ | US-7152752-$ | US-7219969-$ | US-7690856-$ | US-8602217-$ | US-8640913-$ | US-8925752-$ | US-D285986-$ | US-D738622-$).DID.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:13
S174	3	("2018/0229889").URPN.	USPAT	OR	ON	2021/09/24 22:14
S175	1	"20180127007".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:26
S176	24	("2018/0127007").URPN.	USPAT	OR	ON	2021/09/24 22:26
S177	21	("2696962" | "4929973" | "5035389" | "5040712" | "5129613" | "5282554" | "5332183" | "5356105" | "5653366" | "5730348" | "5730406" | "6036071" | "6315182" | "7225958" | "8020821").PN. OR ("8448829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:28
S178	8	("20090256040" | "20140110546" | "20150102191" | "4733330" | "5740995" | "8448829" | "9581416" | "9810911").PN. OR ("10487978").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:28

S179	1	("2015/0102191").URPN.	USPAT	OR	ON	2021/09/24 22:29
S180	45	("1252207" | "20060186290" | "20070097617" | "20070170336" | "20070230102" | "20080105803" | "2174140" | "5730406" | "5833189" | "5850996" | "6173931" | "6315255" | "6371424" | "6431510" | "6702604" | "6758454" | "6877641" | "7261264" | "7334762" | "7455271" | "7499272" | "7673838").PN. OR ("8020821").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:29
S181	5	("2008/0105803").URPN.	USPAT	OR	ON	2021/09/24 22:30
S182	642	G06F1/18.cpc.	USPAT	OR	ON	2021/09/24 22:30
S183	1,229	G06F1/18.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S184	9,466	F16M13/02.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S185	1,607	Y10S248/917.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:31
S186	59	("4088848" | "4419794" | "5026016" | "5035389" | "5054170" | "5375749" | "5428866" | "5567038" | "5593121" | "5604958" | "5622296" | "5729869").PN. OR ("5957421").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:32
S187	67	("1519380" | "20020170933" | "2543313" | "3261519" | "3370236" | "3743147" | "3878589" | "4419794" | "4479596" | "4598027" | "4676420" | "4718586" | "4754528" | "4819847" | "4858798" | "4929116" | "5014892" | "5016326" | "5025966" | "5054170" | "5201858" | "5213240" | "5230159" | "5253292" | "5480115" | "5528770" | "5577303" | "5584423" | "5597102" | "5622296" | "5664292" | "5730342" | "5850954" | "5850996" | "5898647" | "5957421" | "5995622" | "5996184" | "6098858" | "6141417" | "6176401" | "6283348" | "6364184" | "6443340" | "6722539" | "6824028" | "6955279" | "6955280" |	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:33

		"7070049" | "D443199").PN. OR ("8499986").URPN.				
S188	32	("20030000976" | "4083481" | "4598027" | "5025966" | "5213240" | "5347693" | "5730342" | "5791019" | "5829102" | "6283348" | "6286737").PN. OR ("6824028").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:34
S189	43	("20010054217" | "20020158096" | "20020170148" | "20030000976" | "20030047575" | "20030141329" | "20030162510" | "20040204169" | "5274885" | "5597102" | "5730342" | "5779115" | "5833100" | "5850954" | "5850996" | "5927580" | "6006969" | "6205222" | "6223788" | "6283348" | "6286737" | "6443340" | "6714767" | "6736136" | "6824028" | "6955279" | "6955280" | "D478418" | "D492108").PN. OR ("7032791").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:36
S190	28	("20020010983" | "20030047575" | "20070056999" | "20070125819" | "20080277546" | "20080283701" | "4419794" | "5729869" | "5743451" | "5850996" | "6062449" | "6443342" | "6454147" | "6641011" | "6655560" | "6848605" | "6880794" | "7032791" | "7959121" | "RE38035").PN. OR ("9072364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:37
S191	90	("4419794" | "4897900" | "5014892" | "5054170" | "5375749" | "5584423" | "5597102").PN. OR ("5850996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:38
S192	9	("10165851" | "10222172" | "10271634" | "5850996" | "6098858" | "6286737" | "6786372" | "8613564" | "8919623").PN. OR ("11047644").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:39
S193	10	("20080216380" | "20090013580" | "20090293334" | "20100176174" | "5730342" | "5850996" | "6371424" | "7458489" | "8166694").PN. OR ("10222172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:40
S194	108	("3631572" | "4624034" | "5274885" | "5375749" | "5620120" | "5622296").PN. OR ("5730342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:41
S195	9	("20020005421" | "20020158096" | "20030122002" | "20070107169" | "5730342" | "5839173" | "5850954" | "5919623").PN. OR ("10124848").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:46
S196	33	("20020195472" | "20080209698" | "20100071168" | "20110076095" |	US-PGPUB;	OR	ON	2021/09/24 22:49

		"20110083353" | "20120030986" | "20120174286" | "5201858" | "5642847" | "5669170" | "5673836" | "5718363" | "5730342" | "5850996" | "5991925" | "6266910" | "6325258" | "6363532" | "6517133" | "6736136" | "6824028" | "7841496" | "8166694" | "D562549" | "D577093").PN. OR ("8613564").URPN.	USPAT; USOCR			
S197	6	("2010/0071168").URPN.	USPAT	OR	ON	2021/09/24 22:51
S198	10	("20030042279" | "20060246963" | "20100071168" | "6736136" | "8613564" | "8919622").PN. OR ("9101198").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:52
S199	2	("2006/0246963").URPN.	USPAT	OR	ON	2021/09/24 22:52
S200	32	("20100294816" | "20140027477" | "20140042195" | "3956701" | "4419794" | "5014892" | "5054170" | "5375749" | "5584423" | "5593121" | "5604958" | "5620120" | "5641102" | "5850996" | "6006969" | "6098858" | "6286737" | "6786372" | "7409237" | "7959121" | "7980435" | "8231094" | "8613564").PN. OR ("8919622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:54
S201	40	("4419794" | "4485946" | "5054170" | "5081709" | "5261122" | "5540368").PN. OR ("5584423").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 22:56
S202	22	("4356943" | "4881150" | "5540368" | "5584423" | "5996184" | "6038742" | "6149043").PN. OR ("6438808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:01
S203	14	("20040003809" | "20040079365" | "20050097709" | "20050274380" | "20100031481" | "20120036682" | "5730342" | "5906031" | "6318610" | "6438808" | "6736136" | "7222621" | "8156616" | "8806726").PN. OR ("9233742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:02
S204	19	("2326558" | "3984191" | "4419794" | "5347693" | "5622296" | "5839173").PN. OR ("6038742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:04
S205	79	("1519380" | "2502034" | "3631572" | "4419794" | "5026016" | "5054170" | "5201858" | "5274885" | "5375749").PN. OR ("5622296").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:07

S206	58	("20050092801" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424" | "7077372").PN. OR ("7261264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:09
S207	109	("20070170330" | "20070294905" | "20090044825" | "20100054724" | "20100132122" | "3564984" | "3640497" | "3860209" | "3908949" | "3960352" | "4026508" | "4176815" | "4400856" | "4527760" | "4747570" | "5026016" | "5375749" | "5433416" | "5626435" | "5857713" | "6119878" | "6161741" | "6302617" | "6371424" | "6409475" | "6481684" | "6519144" | "6554238" | "6637707" | "6702604" | "6758454" | "6840639" | "7066435" | "7077372" | "7172164" | "7261264" | "7270309" | "7594823" | "7673838" | "7726706" | "8215605" | "8292521" | "8333353" | "D329192" | "D380219" | "D658972").PN. OR ("8544805").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:11
S208	28	("1081378" | "20090256037" | "3424421" | "3540687" | "3822049" | "3927315" | "3989215" | "4332052" | "4467990" | "4613135" | "5129613" | "5146631" | "5232191" | "5251959" | "5707033" | "5865562" | "7077372" | "7134635" | "8544805" | "D329192").PN. OR ("9683696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:13
S209	51	("20050092801" | "20050121576" | "4093293" | "4660793" | "4720611" | "4789128" | "5054170" | "5188325" | "5201858" | "5347693" | "5620120" | "5622296" | "5850996" | "6059156" | "6098858" | "6155524" | "6189489" | "6371424").PN. OR ("7077372").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/24 23:15
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S255	0	F16M11/0041.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2021/09/26 16:29
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S262	11	("2005/0015928").URPN.	USPAT	OR	ON	2021/09/26 17:13
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		or US-5386961-$ or US-4176580-$ or US-1081378-$ or US-D658972-$ or US-D559657-$ or US-7270309-$ or US-10849705-$ or US-7090085-$).did. or (US-5080238-$ or US-10264896-$ or US-5664793-$ or US-5356038-$ or US-5035389-$ or US-7490800-$ or US-5356105-$ or US-8833596-$ or US-5934222-$ or US-5226625-$ or US-6481679-$ or US-0495537-$ or US-4132380-$ or US-5022174-$ or US-4929973-$ or US-7172164-$ or US-5664292-$ or US-5428866-$ or US-6988846-$ or US-4817237-$ or US-3935613-$ or US-1709972-$ or US-11071384-$ or US-4620736-$ or US-5026016-$ or US-8201788-$ or US-9653050-$).did. or (US-7802766-$ or US-6082688-$ or US-5687942-$ or US-5332183-$ or US-5343595-$ or US-3989128-$ or US-4340199-$ or US-2124541-$).did. or (US-2939613-$ or US-3423786-$ or US-1709972-$).did.				
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9/26/2021 8:28:53 PM
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PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 5, 2021

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R.
Attorney Docket Number	066749-2792

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	6,082,687	07-04-2000	Kump et al.	
	A2	7,172,164	02-06-2007	Fueling et al.	
	A3	7,837,165	11-23-2010	Stone	
	A4	11,008,136	05-18-2021	Brunner et al.	
	A5	2006/0076261	04-13-2006	Kurtenbach	

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 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.

Electronic Acknowledgement Receipt	
EFS ID:	43433836
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Sarah Sesterhenn-Lee
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	05-AUG-2021
Filing Date:	06-OCT-2020
Time Stamp:	14:46:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	066749-2792_IDS_Transmittal.pdf	95923 1fe023bbc79b255dca88d5c5a9cd13ddb010f80e	no	2
Warnings:					

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	066749-2792_SB08.pdf	114593 363d25d3152fcc17c58e2d17ab95e24cb2691aaa	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
			Total Files Size (in bytes):	210516	

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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 a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation et al.
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R.
Art Unit:	3736
Confirmation Number:	4794

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. 2004 - Page 373
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(4), before the mailing date of the first Office action after the filing of a request for continued examination.

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 5, 2021

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. 2004 - Page 374
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: June 11, 2021

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	17/064,371
Filing Date	October 6, 2020
First Named Inventor	Yaron Brunner
Art Unit	3736
Examiner Name	WEINERTH, GIDEON R
Attorney Docket Number	066749-2792

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	509,839	11-28-1893	Bowley	
	A2	1,084,360	01-13-1914	Rahm	
	A3	3,424,334	01-28-1969	Goltz	
	A4	3,999,818	12-28-1976	Schankler	
	A5	4,122,925	10-31-1978	Schultheiss	
	A6	4,243,279	01-06-1981	Ackeret	
	A7	4,673,070	06-16-1987	Ambal	
	A8	5,325,966	07-05-1994	Chang	
	A9	5,375,709	12-27-1994	Petro	
	A10	5,429,235	07-04-1995	Chen	
	A11	6,082,539	07-04-2000	Lee	
	A12	6,889,838	05-10-2005	Meier et al.	
	A13	7,152,752	12-26-2006	Kurtenbach	
	A14	7,219,969	05-22-2007	Bezzubov	
	A15	7,690,856	04-06-2010	Mortensen	
	A16	8,602,217	12-10-2013	Sosnovsky et al.	
	A17	8,640,913	02-04-2014	Berendes	
	A18	8,925,752	01-06-2015	Smith	
	A19	10,603,783	03-31-2020	Brocket et al.	
	A20	10,703,534	07-07-2020	Brunner et al.	
	A21	10,750,833	08-25-2020	Burchia	
	A22	10,793,172	10-06-2020	Brunner	
	A23	10,829,269	11-10-2020	Gonitianer et al.	
	A24	10,933,501	03-02-2021	Bisson	
	A25	10,981,696	04-20-2021	Brunner et al.	
	A26	2003/0094392	05-22-2003	Meier et al.	
	A27	2010/0224528	09-09-2010	Madsen	
	A28	2011/0139777	06-16-2011	Sosnovsky et al.	
	A29	2012/0080432	04-05-2012	Bensman et al.	
	A30	2012/0152944	06-21-2012	Vilkomirski et al.	

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.

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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.

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**	17/064,371
Date Submitted: June 11, 2021				**Filing Date**	October 6, 2020
				First Named Inventor	Yaron Brunner
(use as many sheets as necessary)				Art Unit	3736
				Examiner Name	WEINERTH, GIDEON R
Sheet	2	of	3	Attorney Docket Number	066749-2792

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
	A31	2014/0069832	03-13-2014	Roehm	
	A32	2014/0123478	05-08-2014	Gylander et al.	
	A33	2015/0014949	01-15-2015	Dittman	
	A34	2015/0151427	06-04-2015	Ben-Gigi	
	A35	2018/0229889	08-16-2018	Li	
	A36	2020/0029543	01-30-2020	Householder	
	A37	2020/0223585	07-16-2020	Brunner et al.	
	A38	2020/0346819	11-05-2020	Kogel et al.	
	A39	2021/0025706	01-28-2021	Millane	
	A40	2021/0031975	02-04-2021	Brunner et al.	
	A41	2021/0039831	02-11-2021	Brunner et al.	
	A42	D285,986	10-07-1986	Huang	
	A43	D738,622	09-15-2015	Sabbag 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 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	

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Substitute for form 1449/PTO				***Complete if Known***	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	17/064,371
				Filing Date	October 6, 2020
Date Submitted: June 11, 2021				**First Named Inventor**	Yaron Brunner
				Art Unit	3736
(use as many sheets as necessary)				Examiner Name	WEINERTH, GIDEON R
Sheet	3	of	3	Attorney Docket Number	066749-2792

NON PATENT LITERATURE DOCUMENTS			
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	

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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.

Electronic Patent Application Fee Transmittal	
Application Number:	17064371
Filing Date:	06-Oct-2020
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Filer:	Derek Howard Campbell/Andrea Dietzel
Attorney Docket Number:	066749-2792
Filed as Large Entity	
Filing Fees for Utility under 35 USC 111(a)	

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1360	1360
		Total in USD ($)		**1360**

Electronic Acknowledgement Receipt	
EFS ID:	42962172
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Andrea Dietzel
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	11-JUN-2021
Filing Date:	06-OCT-2020
Time Stamp:	12:18:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1360
RAM confirmation Number	E20216AC21283855
Deposit Account	180882
Authorized User	Andrea Dietzel
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	066749-2792_RCE.pdf	81940 6f57d07f9f7ebe54d4763824d32e3b080aa8c770	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Transmittal Letter	066749-2792_IDS_Transmittal.pdf	80722 5c8ab3ab7c35c04407f33faa1b320358114dfb11	no	2
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	066749-2792_SB08.pdf	123604 8f8c7561954fc90c0c16b3e9fcc8c41774ca75d2	no	3
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Fee Worksheet (SB06)	fee-info.pdf	30601 a279a97ffc756e0c63dea1cd7d9e90668032cbc0	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	316867		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. 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	17/064,371	Filing Date	2020-10-06	Docket Number (if applicable)	066749-2792	Art Unit	3736
First Named Inventor	Yaron Brunner			Examiner Name	WEINERTH, GIDEON R.		

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 Final Office Action Response filed on May 10, 2021

☒ 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 (07-09)
Approved for use through 07/31/2012. 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)	2021-06-11
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.

Atty. Dkt. No. 066749-2792

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R.
Art Unit:	3736
Confirmation Number:	4794

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

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

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Milwaukee Electric Tool, Keter Home and Garden Products – Ex. 2004 - Page 386
Klein Tools v. Milwaukee Electric Tool, Keter Home and Garden Products
IPR2024-01401

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.

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Respectfully submitted,

Date June 11, 2021

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. 2004 - Page 387
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IPR2024-01401

PTO/SB/06 (09-11)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/064,371	Filing Date 10/06/2020	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

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

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/11/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 4	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/064,371	10/06/2020	Yaron Brunner	066749-2792	4794

142078 7590 05/17/2021

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
05/17/2021	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

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 17/064,371	**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 --

THE REPLY FILED 10 May 2021 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☑ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☑ The period for reply expires 3 months from the mailing date of the final rejection.
   b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection.The current period for reply expires ____ months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANTS FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

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

NOTICE OF APPEAL

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

AMENDMENTS

3. ☑ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☑ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: See Continuation Sheet (See 37CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicants reply has overcome the following rejection(s): _____
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☑ For purposes of appeal, the proposed amendment(s):(a) ☑ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

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

REQUEST FOR RECONSIDERATION/OTHER

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

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:9,13-14 and 21-23.
    Claim(s) withdrawn from consideration:_____.

/GIDEON R WEINERTH/ Examiner, Art Unit 3736	

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Continuation of 3. NOTE: The Amended claims present new structural limitations that will require additional searching. The amended claims also recite limitations relating to the front walls which are not adequately shown.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/064,371	Filing Date 10/06/2020	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

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

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	05/10/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 4	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Milwaukee Electric Tool Corporation
Title:	Utility Assembly and Coupling Mechanism
Appl. No.:	17/064,371
Filing Date:	October 6, 2020
Examiner:	WEINERTH, GIDEON R
Art Unit:	3736
Confirmation No:	4794

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

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.116

This communication is responsive to the Final Office Action dated March 11, 2021, concerning the above-referenced patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this document.

Remarks begin on page 4 of this document.

Please amend the application as follows:

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IPR2024-01401

Electronic Acknowledgement Receipt	
EFS ID:	42681708
Application Number:	17064371
International Application Number:	
Confirmation Number:	4794
Title of Invention:	Utility Assembly and Coupling Mechanism
First Named Inventor/Applicant Name:	Yaron Brunner
Customer Number:	142078
Filer:	Derek Howard Campbell/Andrea Dietzel
Filer Authorized By:	Derek Howard Campbell
Attorney Docket Number:	066749-2792
Receipt Date:	10-MAY-2021
Filing Date:	06-OCT-2020
Time Stamp:	17:12:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		066749-2792_Amendment.pdf	263323 3859a3fcdef35ac0b05205996af8afa8f2727581	yes	13

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	4	13
	Claims	2	3
	Response After Final Action	1	1
Warnings:			
Information:			
	Total Files Size (in bytes):	263323	

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS

This reply is intended to be completely responsive to the Final Office Action dated March 11, 2021.

Status

Claims 1-20 are pending in this application. Claims 9, 13-14, and 21-23 were rejected, and claims 1-8 and 15-20 are withdrawn.

With this amendment, claims 9, 21 and 23 are amended, claims 1-8, 15-20, and 22 are cancelled, and new claims 24 and 25 are added.

Applicant believes that each of the rejections raised by the Examiner has been addressed and the application is in condition for allowance. Reconsideration and allowance of the application is respectfully requested.

Drawing Objections

On pages 2-4 of the Office Action, the Examiner objected to the drawings for not showing every feature of the invention specified in the claims. Specifically, the Examiner states the drawings do not show the "mounting apertures configured to secure the coupling platform to the stackable utility module." Office Action, page 2. According to the Office Action, there is no depiction as to how coupling may be effected by the mounting apertures. Office Action, page 2. According to the Office, the Examiner interpreted that the mounting apertures provide a means to accept fasteners. Office Action, page 7.

Without conceding the propriety of this objection, to expedite prosecution in this application claim 9 has been amended to recite "comprising a plurality of mounting apertures configured to receive a fastener to secure the coupling platform to a surface." Support for this feature can be found at least at FIG. 18A and paragraphs 237-238, which recites in relevant part "a rigid coupling platform 300, configured with a plurality of female coupling locations (of the

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type disclosed herein) and further configured *with bolt eyes 298* for securing to any desired surface." Subject application, paragraph 237 (emphasis added).

The Examiner also objected to the drawings not showing the features recited in claim 22. Without conceding the propriety of this objection, to expedite prosecution of this application Applicant has cancelled claim 22.

Accordingly, Applicant respectfully requests withdrawal of the objection to the drawings.

Specification Objection

On page 4 of the Office Action, the Examiner objected to the specification for not providing description for how apertures are configured to secure the platform, as recited in claim 9, and for not providing information related to an elevated surface, as recited in claim 22. Office Action, page 4.

In regard to claim 9, without conceding the propriety of this objection, to expedite prosecution in this application claim 9 has been amended to recite "comprising a plurality of mounting apertures configured to receive a fastener to secure the coupling platform to a surface." As noted above, support for this feature is found in the specification at least at paragraphs 237-238.

In regard to claim 22, without conceding the propriety of this objection, to expedite prosecution of this application Applicant has cancelled claim 22.

Accordingly, Applicant respectfully requests withdrawal of the objection to the specification.

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Claim Rejections - 35 U.S.C. § 112

I. Rejection of claims 9, 13, 14, and 21-23 under 35 U.S.C. § 112(a) as not complying with the written description requirement

On pages 4-6 of the Office Action, the Examiner rejected claims 9, 13, 14, and 21-23 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement for including subject matter that is not described in the specification in such a way as to demonstrate possession at the time the application was filed.

In regard to claim 9, the Examiner indicates that the phrase "a plurality of mounting apertures configured to secure the coupling platform to the stackable utility module" is not enabled. Office Action, page 5. Without conceding the propriety of this rejection, to expedite prosecution in this application claim 9 has been amended to recite "comprising a plurality of mounting apertures configured to receive a fastener to secure the coupling platform to a surface." As noted above, support for this feature is found at least at FIG. 18A and paragraphs 237-238. Accordingly, Applicant respectfully submits that Applicant claim 9 as amended is enabled.

In regard to claim 22, the Examiner indicates that the phrase "elevated surface" is not enabled. Office Action, page 6. In regard to claim 22, without conceding the propriety of this rejection, to expedite prosecution of this application Applicant has cancelled claim 22.

Accordingly, Applicant respectfully requests withdrawal of this rejection.

II. Rejection of claims 9, 13, 14, and 21-23 under 35 U.S.C. § 112, second paragraph, as being indefinite

On pages 6-7 of the Office Action, the Examiner rejected claims 9, 13, 14, and 21-23 under 35 U.S.C. § 112, first paragraph, for being indefinite.

In regard to claim 9, the Examiner indicates that the phrase "a plurality of mounting apertures configured to secure the coupling platform to the stackable utility module" is not

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IPR2024-01401

supported. Office Action, page 6. Without conceding the propriety of this rejection, to expedite prosecution in this application claim 9 has been amended to recite "comprising a plurality of mounting apertures configured to receive a fastener to secure the coupling platform to a surface." As noted above, support for this feature is found in the specification at least at FIG. 18A and paragraphs 237-238.

In regard to claim 22, the Examiner indicates that the phrase "elevated surface" is not enabled and is indefinite. Office Action, page 7. Without conceding the propriety of this rejection, to expedite prosecution of this application Applicant has cancelled claim 22.

In regard to claim 23, the Examiner indicated that there is insufficient antecedent basis for "the upper surface" and "the lower surface." Applicant has amended "the upper surface" and "the lower surface" to "an upper surface" and "a lower surface," respectively.

Accordingly, Applicant respectfully requests withdrawal of this rejection under § 112.

Claim Rejections - 35 U.S.C. § 102(a)(1)

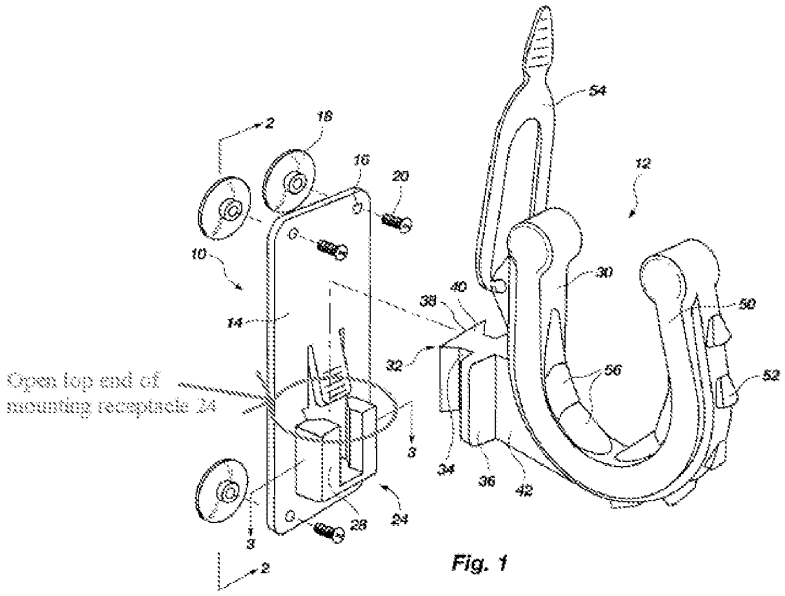
I. Rejection of claims 9 and 13 under 35 U.S.C. § 102(a)(1) as being anticipated by Gates

On pages 7-8 of the Office Action, the Examiner rejected claims 9 and 13 under 35 U.S.C. § 102(a)(1) as being anticipated by Gates, U.S. Patent No. 6,637,707.

Applicant submits that Gates fails to disclose a front wall and back wall as recited in amended claim 9. Claim 9 as amended recites in relevant part:

> each of the female couplers comprises a back wall that extends from each of the two sidewalls and between the two sidewalls, and each of the female couplers comprises a front wall that extends from each of the two sidewalls and between the two sidewalls.

Instead, Gates appears to show an open ended mounting receptacle 24. FIG. 1 in Gates is copied and annotated below.



Gates, FIG. 1 (annotated).

Accordingly, Applicant respectfully asserts that independent claim 9, and dependent claim 13, which depends from claim 9, are not anticipated by Gates under 35 U.S.C. § 102(a)(1) and therefore the rejection should be withdrawn.

Claim Rejections - 35 U.S.C. § 103

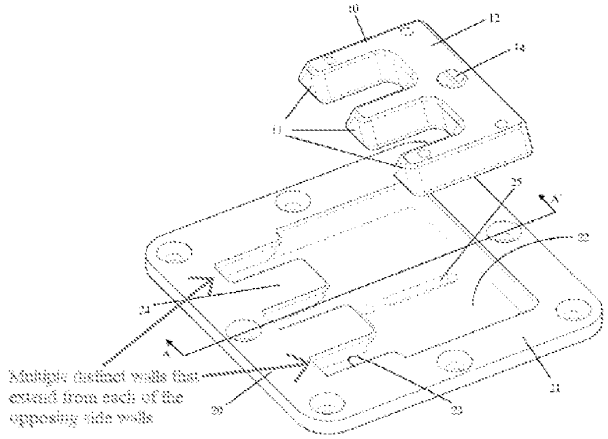
I. Rejection of claims 9, 13, 14, and 21-23 under 35 U.S.C. § 103 as being obvious over Ko in view of Johnson

On pages 8-12 of the Office Action, the Examiner rejected claim 9, 13, 14, and 21-23 under 35 U.S.C. § 103 as being unpatentable over Ko, U.S. Patent Publication No. 2014/0161518, and Johnson, U.S. Patent No. 5,433,416.

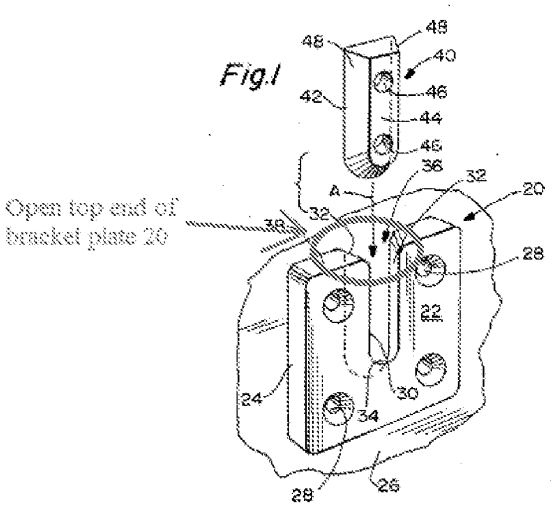
Applicant respectfully submits that the combination of Ko and Johnson do not disclose, teach or suggest a front wall and back wall as recited in amended claim 9. Instead, Ko appears to show multiple distinct walls that extend from opposing side walls, and Johnson appear to show

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an open front end of the coupling component. FIG. 1A in Ko and FIG. 1 in Johnson are copied and annotated below.



Ko, FIG. 1A (annotated).



Johnson, FIG. 1 (annotated).

Applicant therefore submits that the combination of Ko and Johnson fails to disclose, teach or suggest "each of the female couplers comprises a back wall that extends from each of the two sidewalls and between the two sidewalls, and each of the female couplers comprises a front wall that extends from each of the two sidewalls and between the two sidewalls," which claim 9 as amended recites.

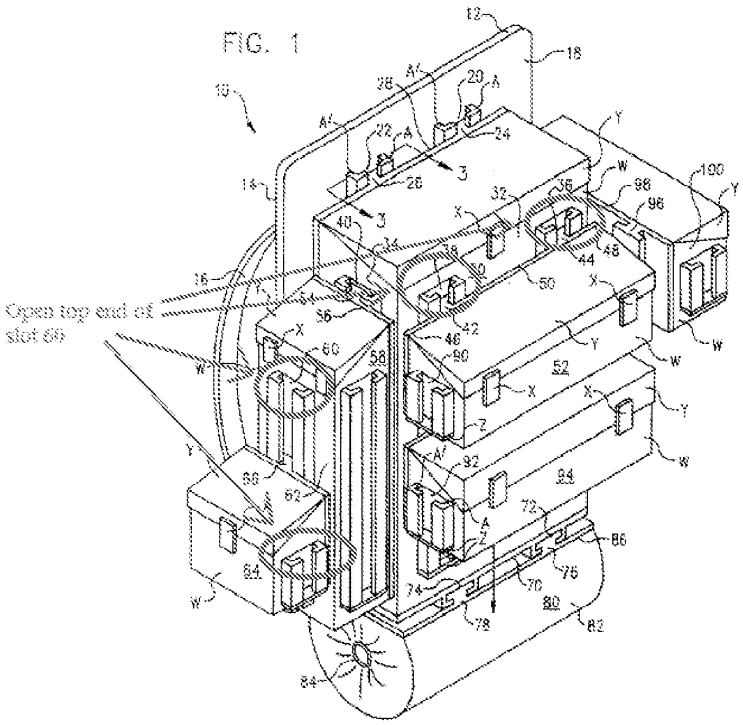
Accordingly, Applicant respectfully asserts that independent claim 9 as amended, and claims 13-14, 21 and 23, which depend from claim 9, are patentable over Ko and Johnson under 35 U.S.C. § 103. Further, Applicant submits that the cancellation of claim 22 has rendered the rejection of claim 22 moot.

II. Rejection of claims 9, 13 and 23 under 35 U.S.C. § 103 as being obvious over Deutsch in view of Hudson

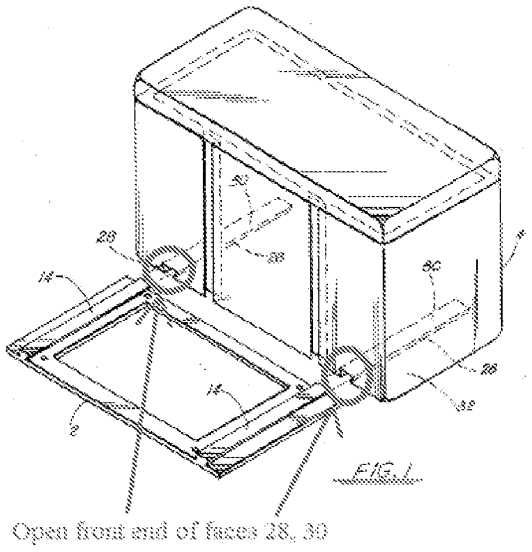
On pages 12-13 of the Office Action, the Examiner rejected claim 9, 13, and 23 under 35 U.S.C. § 103 as being unpatentable over Deutsch, U.S. Patent No. 5,628,443, and Hudson, U.S. Patent No. 4,805,859.

Applicant respectfully submits that the combination of Deutsch and Hudson do not disclose, teach or suggest a front wall and back wall as recited in amended claim 9. Instead, Deutsch and Hudson each appear to show an open front end of the coupling component. FIG. 1 in Deutsch and FIG. 1 in Hudson are copied and annotated below.

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Deutsch, FIG. 1 (annotated).



Hudson, FIG. 1 (annotated).

Applicant therefore submits that the combination of Ko and Johnson fail to disclose, teach or suggest "each of the female couplers comprises a back wall that extends from each of the two sidewalls and between the two sidewalls, and each of the female couplers comprises a front wall that extends from each of the two sidewalls and between the two sidewalls," which claim 9 as amended recites.

Accordingly, Applicant respectfully asserts that independent claim 9 as amended, and claims 13 and 23, which depend from claim 9, are patentable over Deutsch and Hudson under 35 U.S.C. § 103.

New Claims

Applicant has added new dependent claims 24 and 25 to present claims of varying scope. No new matter has been added. Exemplary support for the new claims 24 and 25 may be found at least at FIGS. 10A, 10B, and 18A and paragraph [0225] of the application as originally filed. New claims 24 and 25 depend from independent claim 9. Applicant respectfully asserts that new claims 24 and 25 are patentable for at least the same reasons set forth above regarding independent claim 9.

Conclusion

Applicant believes that the present application is in condition for allowance. Favorable reconsideration of the application is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

It should be noted that, for the sake of clarity and simplicity, Applicant's remarks have focused on the rejections of the independent claims set forth in the Office Action with the understanding that the dependent claims are patentable for at least the same reasons as the

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independent claims. Further, in addressing the Examiner's rejections, Applicant's remarks have set forth only some of the available arguments for patentability of the rejected claims. Applicant expressly reserves the right to argue the patentability of all claims separately and to provide new, different, and/or additional arguments for patentability not set forth herein, including, but not limited to, the failure of cited references to disclose, teach, or suggest other elements of the claims, the lack of motivation to combine cited references, teachings away from the combination of cited references, the failure of references to qualify as prior art or improper combination of the cited references, in this or any future proceedings.

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. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 18-0882.

Respectfully submitted,

Date May 10, 2021

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